

List of Proposed Technical Plastics Specification sheets

Purpose: To evidence use of existing standards and common commercial practices (e.g. on purity levels accepted in EU recycling plants) in relation to Basel Convention Decision ref: BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019 as well as Commission delegated act [number to be inserted once the act has been adopted] amending Annexes III, IIIA, IV, V and VIII to Regulation (EC) No 1013/2006 of the European Parliament and of the Council on shipments of waste. For clarification, the specification sheets issued will aim not only to be applied to Basel (B3011) but also to plastic waste shipments within the EU (EU3011).

Table 1 - Technical Plastics – Specification sheets list

Polymer Type	Source	Format	Purity Mass %
PP	Car bumper		95
	ASR		70
	SDA		90
PS	Fridge	Flakes	80
	SDA		65
PU	Fridge		95
ABS	Monitor		90
	SDA		65

Table 2 - Proposed coding numbers - Specification Sheets

Polymer	Type	Format	Order	Version
PP PS PU ABS	1 Household packaging	1 Rigid items	1,2,3.	V0
	2 Other packaging	2 Film / Flexible item		
	3 All packaging	3 Flakes		
	4 Technical post-consumer	4 Other		
	5 Technical pre-consumer			
	6 All technical plastics			
	7 All types - Packaging and technical			

Extract from Basel Decision 14/12 - 2019

Plastic waste listed below, provided it is destined for recycling¹³ in an environmentally sound manner and almost free from contamination and other types of wastes (note the related entries on list A A3210 and Y48 in Annex II):¹⁴

- Plastic waste almost exclusively consisting of one non-halogenated polymer, including but not limited to the following polymers:

- o Polyethylene (PE)
- o Polypropylene (PP)
- o Polystyrene (PS)
- o Acrylonitrile butadiene styrene (ABS)
- o Polyethylene terephthalate (PET)
- o Polycarbonates (PC)

- Plastic waste almost exclusively¹⁵ consisting of one cured resin or condensation product including the following:

- o Urea formaldehyde resins
- o Phenol formaldehyde resins
- o Melamine formaldehyde resins
- o Epoxy resins
- o Alkyd resins

- Plastic waste almost exclusively consisting of one of the following fluorinated polymer wastes:¹⁶

- o Perfluoroethylene/propylene (FEP)
- o Perfluoro alkoxyl alkane
- o Tetrafluoroethylene/per fluoro vinyl ether (PFA)
- o Tetrafluoroethylene/per fluoro methylvinyl ether (MFA)
- o Polyvinylfluoride (PVF)
- o Polyvinylidene fluoride (PVDF)

- Mixtures of Plastic wastes, consisting of polyethylene (PE), polypropylene (PP) or polyethylene terephthalate (PET), provided they are destined for separate recycling¹⁷ of each material and in an environmentally sound manner, and almost free from contamination and other types of wastes.¹⁸

EU 3011 – EU listing

EU3011 Solid plastic waste:

The following plastic materials, provided they are almost free from contamination and other types of waste:

– Plastic waste consisting of one non-halogenated polymer, including but not limited to the following polymers:

- Polyethylene (PE)
- Polypropylene (PP)
- Polystyrene (PS)
- Acrylonitrile butadiene styrene (ABS)
- Polyethylene terephthalate (PET)
- Polycarbonates (PC)
- Polyethers

– Plastic waste consisting of one cured resin or condensation product, including but not limited to the following resins:

- Urea formaldehyde resins
- Phenol formaldehyde resins
- Melamine formaldehyde resins
- Epoxy resins
- Alkyd resins

– Plastic waste consisting of one of the following fluorinated polymers*:

- Perfluoroethylene/propylene (FEP)
- Perfluoroalkoxy alkanes:
- Tetrafluoroethylene/perfluoroalkyl vinyl ether (PFA)
- Tetrafluoroethylene/perfluoromethyl vinyl ether (MFA)
- Polyvinylfluoride (PVF)
- Polyvinylidene fluoride (PVDF)
- Fluorinated ethylene (PTFE)
- Polymers of vinyl chloride.

* Post consumer wastes are excluded

Generic WEEE or ELV or technical PLASTIC type - short description title.

Item	Description	Note/Ref.
Specification Number	Unique system coding - e.g. PLASTIC 1.5.3. v1	see table 2
Specification Name	Short name 'Plastic - format - source'	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:-	
	<p style="text-align: center;">o List of Basel Plastic types - (see above this table)</p> ...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	
Corresponding CEN Quality grades for plastic packaging for recycling	(To be documented when finalised by CEN) Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Polymer Type	Common polymer name - abbreviation and full chemical name - ref. ->	Cas. No: 99999-99-9
Waste type	Select from : Household packaging / Other packaging / Technical post-consumer / Technical pre-consumer / All	
Waste format	Select from : rigid items / films / flakes / chips/ rough shred / agglomerate / other	
Description of possible waste formats	Waste formats covered by the specification (should be wide)	
Possible colour	describe possible colour / tint / opacity / clear / etc	
Transport Format	How the target item appears to the receiving location - what it looks like and consists of -e.g. 'big-bags flakes 5-10mm white'	
Source of waste	Origin point in the waste system e.g. WEEE / ELV processing or other . Reference Legislation covering / site licence ?	
Prior Treatment	describe last process or handling done on the material	
Shipping Method	units of shipping - bulk / bagged / baled / pallets etc.	-
Nominal unit weight	estimate range of unit weight as delivered, (inc. moisture).	

PURITY	Material type	MASS %
Target Material	Primary Polymer type (and colour , if applicable)	Min. XX%
	Primary flake colour (if specified)	Min % colour
Allowed Impurities		
<u>Product Related rigid Plastics</u>	All <u>secondary</u> BUT <u>compatible</u> polymer types commonly found in this product category. E.g. ABS / SAN in PS	Max. Y1%
	<u>Note</u> - option to list each secondary polymer type separately - if data available	Max. Y2%
Moisture Level % mass	Estimate moisture level in bags - as delivered	Max. % H ₂ O
Optional Key Properties	Common measures used for that polymer to define purity of supply - values range and units. E.g. particle size / density / colour / melt flow / filler level ...	
Example :- Polymer density	Fraction within Density range 1.0 g/cc to 1.1 g/cc	Min XX%
<u>Product related Impurities</u>	Other inorganic materials originating from waste source e.g. PU foam / insulation / tapes / thermosets / composites	Max. 2%
Other Materials	Ferrous metal particles (sub 5mm)	Max. 0.5%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 0.5%
Prohibited Contaminants		
<u>Other Rigid Polymer types</u>	Incompatible polymers in the materials e.g. PP in PS.	Max. 1%
	wood / carton board / paper	Max. 1%
	Glass; stones; minerals;	Nil
	Add possible items related to knowledge of the upstream waste collection market and common experience of operators in the industry.	
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	Z%= 100-XX%

PS Polystyrene - Fridge Plastic

Item	Description	Note/Ref.
Specification Number	PS 4.3.1.1	
Specification Name	PS Polystyrene flakes from fridge recycling	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:-	
	PS Polystyrene ...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	Cas: 9003-53-6
Corresponding CEN Quality grades for plastic packaging for recycling	<i>(To be documented when finalised by CEN)</i> Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Type of Plastic Waste	Clean, dried, flake of rigid PS plastic.	
Source of Material	Plastic recovered from domestic fridges and freezers.	
Colour	Off-white / cream flakes (minimal black particles)	
Site of Origin	Authorise WEEE treatment facility under E.U. Reg. ref XX.YY	ref to Directive . Regulation
Details of Licencing	Site licence France 123.4 ref XX/YY -	
Prior Treatment	Ex. advanced polymer sorting & separation process	
Shipping Method	Shipped in Big Bags - 1.8m high on pallets	
Nominal unit weight	1.0 - 1.1 tonne/ bag (inc. moisture).	
PURITY	Material type	MASS %
Target Material	PS (polystyrene)	80%
Primary flake colour	Off-white / cream flakes	Min 99.5%
Allowed Impurities		
<u>Product related rigid Plastics</u>	ABS - acrylonitrile butadiene styrene	Max. 4%
	SAN - styrene acrylonitrile	Max. 2%
Moisture Level %	free moisture content as delivered	Max. 2%
<u>Product related Impurities</u>	PU foam powder	Max. 0.5%
Other Materials	Other plastics / tapes / cable insulation	Max. 1%
	Ferrous metal particles (sub 5mm)	Max. 1%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 1%
Prohibited Contaminants		
	Brominated / halogenated polymers (max .1000 ppm)	Max. 0.1%
	PVC plastic	Max. 5%
	wood / carton board / paper	Max. 2%
	Glass; stones; minerals;	Max. 1%
<u>Other Key Properties</u>		
Particle Size Range (m.m.)	>95% of particles between 5 to 15 mm	Ref: Sieve test result
Polymer Density Range (g/cc)	99% of particles are >1.0 and <1.10 g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	20%

Polyurethane - Fridge Plastic

Item	Description	Note/Ref.
Specification Number		
Specification Name	polyurethane	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:-	
	PU	
	Destination for energy recovery as alternative fuel to replace fossil products	
Corresponding CEN Quality grades for plastic packaging for recycling		
Type of Plastic Waste	Powder/pellet/briquette of polyurethane	
Source of Material	Plastic recovered from domestic fridges and freezers.	
Colour	Not binding	
Site of Origin	Authorise WEEE treatment facility under E.U. Reg. ref XX.YY	ref to Directive . Regulation
Details of Licencing		
Prior Treatment	incineration with energy recovery	
Shipping Method	Shipped in Big Bags - 2 m high on pallets	
Nominal unit weight	0,8 - 1.1 tonne/ bag (inc. moisture).	

PURITY	Material type	MASS %
Target Material	Polyurethane	Min. 95%
Primary flake colour	not binding	
Allowed Impurities		
<u>Product related rigid Plastics</u>	Halogenated substances (CFC- HCFC)	Max 0,5%
ditto		
Moisture Level %	free moisture content as delivered	Max. 2%
<u>Product related Impurities</u>	Total chlorine	Max. 1%
Other Materials		
Prohibited Contaminants		
	Brominated / halogenated polymers	Max. 0.1%
	wood, paper, plastic	Max 5%
<u>Other Key Properties</u>		
Particle Size Range (m.m.)	Not binding	Ref: Sieve test result
Polymer Density Range (g/cc)	Not binding	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	5%

PP car bumper

Item	Description	Note/Ref.
Specification Number	PP 4.3.1.1	
Product Group	PP - car bumper	
Polymer Type	PP Polypropylene	
Format of Plastic Waste	Clean, dry granulated chips	
Source of Material	Plastic from separated vehicle bumpers / external body-protection parts	
Colour	Grey / black chopped flakes (some paint colour)	
Particle Size Range (m.m.)	>95% of particles between 10 to 20 mm	Ref: Sieve test result
Polymer Density Range (g/cc)	99% of particles are <1.0g/cc	Ref: test result
Prior Treatment	Manual dismantling /shredding equipment	
Shipping Method	Shipped in Big Bags 1.8m on pallets	
Nominal unit weight	nominal - 1.0 tonne/ bag (inc. moisture).	

PURITY	Material type	MASS %
Target Material	PP (polypropylene)	Min. 95%
Primary flake colour	Grey / black flakes	Min 99.5%
Allowed Impurities		
<u>Product related rigid Plastics</u>	ABS - acrylonitrile butadiene styrene	Max. 2%
ditto	HDPE - polyethylene	Max. 2%
Moisture Level %	free moisture in flakes	Max. 2%
<u>Product related Impurities</u>	PU/ PS / PO shock-absorbing foam	Max. 2%
Other Materials	Cellulose paint coating on chips (20% of particles)	Max. 2%
	Ferrous metal particles (sub 5mm)	Max. 1%
-	Non-ferrous metal particle (e.g. Cu from wires)	Max. 0.5%
Prohibited Contaminants		
	Brominated / halogenated polymers	Max. 0.2%
	PVC plastic	Max. 1%
	wood / carton board / paper	Max. 1%
	Glass; stones; minerals;	Nil
Other Key Properties		
Particle Size Range (m.m.)	>95% of particles between 10 to 20 mm	Ref: Sieve test result
Polymer Density Range (g/cc)	99% of particles are <1.0g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than 2%	5%

ABS computer monitor - [acrylonitrile butadiene styrene]

Item	Description	Note/Ref.
Specification Number	08 - zz - unique system coding	
Product Group	Display equipment - computer monitors	
Polymer Type	ABS - acrylonitrile butadiene styrene	
Format of Plastic Waste	Clean, dry shredded flake or chips	
Source of Material	Plastic recovered from domestic fridges and freezers.	
Colour	Mixed - Off-white / cream / grey / black flakes	
Particle Size Range (m.m.)	>95% of particles between 5 to 15 mm	Ref: Sieve test result
Polymer Density Range (g/cc)	99% of particles are >1.0 and <1.2 g/cc	Ref: test result
Prior Treatment	Ex. WEEE treatment and recycling site	
Shipping Method	Shipped in Big Bags 1.8m on pallets	
Nominal unit weight	1.0 - 1.1 tonne/ bag (inc. moisture).	

PURITY	Material type	MASS %
Target Material	ABS - acrylonitrile butadiene styrene	Min. 90%
Primary flake colour	Mixed - cream / grey / black	Min 99%
Allowed Impurities		
<u>Product related rigid Plastics</u>	HIPS - High-impact polystyrene	Max. 8%
ditto	PC/ABS - polycarbonate / ABS alloy	Max 5%
Moisture Level %	free moisture in flakes	Max. 1%
<u>Product related Impurities</u>	Clear screen plastics - PMMA / Perspex / PC etc.	Max. 10%
Other Materials	Printed-circuit boards - PCB	
	Ferrous metal particles (sub 5mm)	
-	Non-ferrous metal particle (e.g. Cu from wires)	
Prohibited Contaminants		
	Brominated / halogenated polymers	Max. 0.1%
	PVC plastic	Max. 5%
	wood / carton board / paper	Max. 1%
	Glass leaded ex CRT; stones; minerals;	Nil
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	10%

PS Flake from Small Domestic Appliances (SDA)

Item	Description	Note/Ref.
Specification Number	PS	
Specification Name	PS Flake from Small Domestic Appliances	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:-	
	PS Polystyrene	Cas: 9003-53-6
	...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	
Corresponding CEN Quality grades for plastic packaging for recycling	<i>(To be documented when finalised by CEN)</i> Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Type of Plastic Waste	Clean, dried, flake of PS plastic.	
Source of Material	Small Domestic Appliances	
Colour	Mixed coloured and black flakes	
Site of Origin	Authorise WEEE treatment facility under E.U. Reg. ref XX.YY	ref to Directive . Regulation
Details of Licencing	Site licence France 123.4 ref XX/YY -	
Prior Treatment	Ex. advanced polymer sorting (Electronstatic)	
Shipping Method	Shipped in Big Bags	
Nominal unit weight	1.0 - 1.3 tonne/ bag (inc. moisture).	
PURITY		MASS %
Target Material	PS - Polystyrene	Min 65%
Primary flake colour	Mixed coloured and black flakes	
Allowed Impurities		
<u>Product related rigid Plastics</u>	ABS Acrylonitrile-Butadiene-Styrene	Max. 30%
ditto	PP / fPP - (filled) Polypropylene	Max. 15%
Moisture Level %	free moisture in flakes	Max. 1%
<u>Product related Impurities</u>		
Other Materials	Other plastics / tapes / cable insulation	Max. 1%
	Ferrous metal particles (sub 5mm)	Max. 1%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 1%
Prohibited Contaminants		
	Brominated / halogenated polymers (max .1000 ppm)	Max. 0.1%
	PVC plastic	Max. 5%
	wood / carton board / paper	Max. 0.5%
	Glass; stones; minerals;	Max. 1%
Other Key Properties		
Particle Size Range (m.m.)	93% of particles is above 3.2mm, 7% is less than 3.2mm	Ref: Sieve test result
Polymer Density Range (g/cc)	98.5% of particles are >1.0 and <1.10 g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	35%

ABS Flake from Small Domestic Appliances (SDA)

Item	Description	Note/Ref.
Specification Number	ABS	
Specification Name	ABS Flake from Small Domestic Appliances	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:- ABS Acrylonitrile-Butadiene-Styrene	Cas: 9003-56-9
	...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	
Corresponding CEN Quality grades for plastic packaging for recycling	<i>(To be documented when finalised by CEN)</i> Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Type of Plastic Waste	Clean, dried, flake of ABS plastic.	
Source of Material	Plastic recovered from small domestic appliances	
Colour	Mixed coloured and black flakes	
Site of Origin	Authorise WEEE treatment facility	ref to Directive . Regulation
Details of Licencing	Site licence France 123.4 ref XX/YY -	ref here ?
Prior Treatment	Ex. advanced polymer sorting & separation process	
Shipping Method	Shipped in Big Bags	
Nominal unit weight	0.95 - 1.3 tonne/ bag (inc. moisture).	
PURITY	Material type	MASS %
Target Material	ABS Acrylonitrile-Butadiene-Styrene	min 65%
Primary flake colour	Mixed coloured and black flakes	
Allowed Impurities		
Product related rigid Plastics	PS - Polystyrene	Max. 30%
ditto	PP / fPP - (filled) Polypropylene	Max. 4%
Moisture Level %	free moisture in flakes	Max. 1%
Product related Impurities	SAN	Max 5%
Other Materials	Other plastics / tapes / cable insulation	Max. 1%
	Ferrous metal particles (sub 5mm)	Max. 1%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 1%
Prohibited Contaminants		
	Brominated / halogenated polymers (max .1000 ppm)	Max. 0.1%
	PVC plastic	Max. 1%
	PMMA	Max 1%
	wood / carton board / paper	Max. 0.5%
	Glass; stones; minerals;	Max. 1%
Other Key Properties		
Particle Size Range (m.m.)	83% of particles is above 3.2mm, 17% is less than 3.2mm	Ref: Sieve test result
Polymer Density Range (g/cc)	98% of particles are >1.0 and <1.10 g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	35%

PP Flake from Automotive Shredder Residue (ASR)

Item	Description	Note/Ref.
Specification Number	PP	
Specification Name	PP Flake	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:- PP Polypropylene	Cas: 9003-07-0
	...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	
Corresponding CEN Quality grades for plastic packaging for recycling	<i>(To be documented when finalised by CEN)</i> Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Type of Plastic Waste	Clean, dried, flake of PP plastic.	
Source of Material	Automotive Shredder Residue	
Colour	Mainly black with some coloured flakes	
Site of Origin		ref to Directive . Regulation
Details of Licencing	Site licence France 123.4 ref XX/YY -	
Prior Treatment	Advanced polymer separation (density)	
Shipping Method	Shipped in Big Bags	
Nominal unit weight	0.88 - 1.1 tonne/ bag (inc. moisture).	
PURITY	Material type	MASS %
Target Material	PP (Polypropylene)	min 70%
Primary flake colour	Mainly black with some coloured flakes	
Allowed Impurities		
Product related rigid Plastics	PE - Polyethylene	Max. 20%
ditto	fPP - filled Polypropylene	Max. 6%
Moisture Level %	free moisture in flakes	Max. 1%
Product related Impurities		
Other Materials	Other plastics / tapes / cable insulation	Max. 1%
	Ferrous metal particles (sub 5mm)	Max. 1%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 1%
Prohibited Contaminants		
	Brominated / halogenated polymers (max .1000 ppm)	Max. 0.1%
	PVC plastic	Max. 5%
	wood / carton board / paper	Max. 0.5%
	Glass; stones; minerals;	Max. 1%
Other Key Properties		
Particle Size Range (m.m.)	97% of particles is above 3.2mm, 3% is less than 3.2mm	Ref: Sieve test result
Polymer Density Range (g/cc)	95% of particles are >1.0 and <1.10 g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	30%

PP Flake from Small Domestic Appliances (SDA)

Item	Description	Note/Ref.
Specification Number	PP	
Specification Name	PP Flake from Small Domestic Appliances	
Basel Convention B3011 reference - 'Decision BC14/12 – Amendments to Annexes II, VIII and IX to the Basel Convention 2019'	Plastic waste almost exclusively consisting of one non-halogenated polymer, of the type:-	
	PP Polypropylene	Cas: 9003-07-0
	...that is destined for recycling in an environmentally sound manner and almost free from contamination and other types of wastes.	
Corresponding CEN Quality grades for plastic packaging for recycling	<i>(To be documented when finalised by CEN)</i> Ex : 01.01.01 PET Bottles clear blue 01.02.01 PET Bottle colors 01.03.01 PET trays	
Type of Plastic Waste	Clean, dried, flake of PP plastic.	
Source of Material	Plastic recovered from small domestic appliances	
Colour	Mixed coloured and black flakes	
Site of Origin	Authorise WEEE treatment facility under E.U. Reg. ref XX.YY	ref to Directive . Regulation
Details of Licencing	Site licence France 123.4 ref XX/YY -	ref here ?
Prior Treatment	Ex. advanced polymer sorting & separation process	
Shipping Method	Shipped in Big Bags	
Nominal unit weight	0.9 - 1.0 tonne/ bag (inc. moisture).	
PURITY	Material type	MASS %
Target Material	PP - Polypropylene	Min 90%
Primary flake colour	Mixed coloured and black flakes	
Allowed Impurities		
Product related rigid Plastics	PE - Polyethylene	Max. 10%
ditto	PS -Polystyrene	Max. 6%
Moisture Level %	free moisture in flakes	Max. 1%
<u>Product related Impurities</u>		
Other Materials		
	Other plastics / tapes / cable insulation	Max. 1%
-	Ferrous metal particles (sub 5mm)	Max. 1%
	Non-ferrous metal particle (e.g. Cu from wires)	Max. 1%
Prohibited Contaminants		
-	Brominated / halogenated polymers (max .1000 ppm)	Max. 0.1%
	PVC plastic	Max. 0.5%
	wood / carton board / paper	Max. 0.5%
Other Key Properties		
Particle Size Range (m.m.)	91.5% of particles is above 3.2mm, 8.5% is less than 3.2mm	Ref: Sieve test result
Polymer Density Range (g/cc)	95% of particles are >1.0 and <1.10 g/cc	Ref: test result
IMPORTANT NOTE	Combined Mass of ALL allowed impurities + prohibited items MUST be less than Z%	10%