PET SPECIFICATIONS

Please see below for the current PET requirements:

- Flake Specification
- Bright chip Specification
- Semi-dull Chip specification
- High IV Chip Specification

FLAKE SPECIFICATION

Product description:	PET recycled flakes from post-consumer bottles
Packaging:	89.2 m3 bulk containers or 1,000 kg woven bags.
Bulk density:	275 - 375 Kg/ m3
Size:	5 mm - 14 mm = > 75%
	Fraction <1 mm = 0.5% max
	1 mm – 5 mm = 30% max
	>14 mm = 3% max
Colour:	Mix of clear and blue flakes
Contaminants	Moisture: ≤1.0%
	Blue Flakes 10 – 20%
	Coloured Flakes ≤ 2000 ppm (Green, amber, red ...)
	Brown Flakes ≤ 150 ppm
	Fluorescent Flakes ≤ 300 ppm
	Paper/ Wood ≤ 10 ppm
	PVC ≤ 30 ppm
	Other polymers ≤ 20 ppm - (Including HDPE, LDPE, Polyolefins)
	Metals ≤ 10 ppm
	Nylon ≤ 100 ppm
Off spec material may also be considered. Any variation from spec must be communicated clearly and in writing prior sale.	

Newport Recycling

BRIGHT CHIP SPECIFICATION

Product description:	100% PET Bright Chip
Packaging:	89.2 m3 bulk containers or 1,000 kg woven bags.
Characteristics:	
Intrinsic Viscosity (IV)	0.6 – 0.8
Colour	L =≥ 78
	a = -4 to -1
	b = -3.5 to +1
Fines	≤0.05%
TiO2	0.00%
Off spec material may also be considered. Any variation from spec must be communicated clearly and in writing prior sale.	

SEMI-DULL CHIP SPECIFICATION

Product description:	100% PET Semi-Dull Chip
Packaging:	89.2 m3 bulk containers or 1,000 kg woven bags.
Characteristics:	
Intrinsic Viscosity (IV)	0.55 – 0.8
Colour	L =≥ 60
	a = -5 to +5
	b = -5 to +5
Fines	≤0.05%
TiO2	≤0.5%
Off spec material may also be considered. Any variation from spec must be communicated clearly and in writing prior sale.	

HIGH VISCOSITY CHIP SPECIFICATION

Product description:	100% PET Bright Chip
Packaging:	89.2 m3 bulk containers or 1,000 kg woven bags.
Characteristics:	
Intrinsic Viscosity (IV)	0.78 – 0.85
Colour	L =≥ 78
	a = -4 to -1
	b = -3.5 to +1
Fines	≤0.05%
TiO2	≤0.0%
Off spec material may also be considered. Any variation from spec must be communicated clearly and in writing prior sale.	