

Technical Data Sheet

PCR HDPE Regranulate Natural

Product Code: 000612

Recycled Content: 100 % PCR (post-consumer)

Melt Filtration: 106 µm

Product Description:

000612 PCR HDPE Regranulate Natural comes from post-consumer recycled materials in Asia and is suitable for blow moulding and film blowing and extrusion applications. The material is GRS and Recyclclass (EN15343) certified.



Physical Property	Value	Units	Test Standard	Test Condition
Density	0.94 - 0.96	g/cm ³	ISO 1183-1	23°C
MFI	0.3 ± 0.05	g/10 min	ISO 1133-1	190°C, 2.16 kg
MFI	~1.72	g/10 min	ISO 1133-1	190°C, 5.00 kg
Flexural Modulus	≥900	MPa	ISO 178	23°C, 3.2 mm, 1.3 mm/min
Flexural Strength	≥22	MPa	ISO 178	23°C, 3.2 mm, 1.3 mm/min
Notched Izod Impact Strength	≥30	kJ/m ²	ISO 180	23°C, 8 mm x 4 mm
Tensile Strength	≥22	MPa	ISO 527-2	23°C, 50 mm/min
Elongation at Break	≥500	%	ISO 527-2	23°C, 50 mm/min
Hardness (Shore D)	70	HRR	ISO 2039-2	23°C
Odor	≤2	Grade	Internal	80°C x 2 h
Ash Content	≤1	%	ASTM D2584	800°C, to constant weight

Typical Processing Conditions				
Processing Parameter	Condition	Optimum	Range	Unit
Pre-Drying		Normally no need of pre-dry before use		
Barrel Zone Temp. (Blow Molding)	Rear		160 - 180	°C
Barrel Zone Temp. (Blow Molding)	Center		180 - 200	°C
Barrel Zone Temp. (Blow Molding)	Front		200 - 220	°C

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