

Technical Data Sheet

PCR/PIR HIPS Regranulate Black

Product Code: 083103

Recycled Content: 80 % PCR (post-consumer), 20 % PIR (post-industrial)

Product Description:

083103 PCR/PIR HIPS Regranulate Black comes from post-consumer recycled and post-industrial recycled materials in Europe and is suitable for compounding and extrusion and injection moulding applications. The material is Recyclclass (EN15343) certified.



Physical Property	Value	Units	Test Standard	Test Condition
Density	1,04 - 1,05	g/cm ³	ISO 1183	
MFR	6,05 ± 0,65	g/10 min	ISO 1133	200°C, 5kg
Charpy notched impact strength	8,5	kJ/m ²	ISO 179	
Izod notched impact strength	9	kJ/m ²	ISO 180	
Vicat softening temperature	82° - 86°	°C	ISO 306	
Flammability	HB	class	n/a	at a thickness of 1.6 mm
Moulding shrinkage	0,2 - 0,5	%	ISO 294	
Modulus of elasticity in tension	1800 - 2000	MPa	ISO 527	
Flexural strength	38 - 40	MPa	ISO 178	

Typical Processing Conditions				
Processing Parameter	Condition	Optimum	Range	Unit
Injection: Polymer temperature			190 - 230	°C

Typical Processing Conditions

Processing Parameter	Condition	Optimum	Range	Unit
Extrusion: Polymer temperature			200 - 230	°C

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