

Technical Data Sheet

PCR HDPE Regranulate Natural

Product Code: 014002

Recycled Content: 100 % PCR (post-consumer)

Product Description:

014002 PCR HDPE Regranulate Natural comes from post-consumer recycled materials in Europe and is suitable for blow moulding and extrusion and film blowing applications.



Physical Property	Value	Units	Test Standard	Test Condition
Density	0,94 - 0,96	g/cm ³	ISO 1183	
MFI	0,35 ± 0,15	g/10 min	ISO 1133	190°C, 2,16 kg
MFI	0,95 ± 0,15	g/10 min	ISO 1133	190°C, 5 kg
Moisture Content	< 0,1	wt%		Internal method
Ash Content	< 2	wt%		Internal method
PP Content	< 2	wt%		Internal method
Diameter Pellets	4,5 - 5	mm		Internal method
Thickness Pellets	1 - 3	mm		Internal method
Tensile Modulus	650	MPa	ISO 527	23°C
Charpy impact strength	31 - 33	kJ/m ²	ISO 179	23°C
Yield stress	21	MPa	ISO 527	23°C
Elongation at yield	0,15	%	ISO 527	23°C
Flexural modulus	700	MPa	ISO 178	23°C

Typical Processing Conditions

Processing Parameter	Condition	Optimum	Range	Unit
Melt Temperature	Blow moulding		180 - 210	°C

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