

Technical Data Sheet

PCR PP Homo Regranulate Natural

Product Code: 000632

Recycled Content: 100 % PCR (post-consumer)

Product Description:

000632 PCR PP Homo Regranulate Natural comes from post-consumer recycled materials in Asia and is suitable for injection moulding applications. The material is GRS certified. The material is produced by a recycling process approved by the FDA.



Physical Property	Value	Units	Test Standard	Test Condition
Density	0.902	g/cm ³	ISO 1183	
MFR	30	g/10 min.	ISO 1133	230°C, 2.16kg
Tensile stress	32	MPa	ISO 527	50mm/min.
Tensile modulus	1590	MPa	ISO 527	50mm/min.
Elongation at break	18	%	ISO 527	
Flexural modulus	1520	MPa	ISO 178	
Flexural strength	47	MPa	ISO 178	
Ash content	0.1	%	ISO 3451	
Heat deflection temperature	120	°C	ISO 75	0.45MPa
Molding shrinkage	1.55	%	Internal	
Hardness (D)	65	n/a	ISO 7619	
Izod notched impact strength	2	kJ/m ²	ISO 180	23°C
Izod unnotched impact strength	65	kJ/m ²	ISO 180	23°C

Typical Processing Conditions				
Processing Parameter	Condition	Optimum	Range	Unit
Melt temperature			180 - 210	°C
Holding pressure			200 - 500	bar
Mould pressure			60 - 100	MPa
Mould temperature			30 - 50	°C
Molding time			30 - 60	s
Shrinkage	Depending on wall thickness and moulding parameters		1.1 - 1.5	%

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