

Technical Data Sheet

PCR PP Regranulate natural

Product Code: 000629



Description: 000629 PP Regranulate natural was recovered from post-consumer-recycling materials in Asia and is suitable for injection moulding applications. It contains 20% talc. The material is GRS and FDA certified.

Physical Properties	Value	Units	Standard
Density	1.05	g/cm ³	ISO 1183
MFR (230°C, 2.16kg)	16.5	g/10 min.	ISO 1133
Tensile stress (50mm/min.)	27	MPa	ISO 527
Tensile modulus	1450	MPa	ISO 527
Elongation at break	38	%	ISO 527
Flexural strength	32.5	MPa	ISO 178
Flexural modulus	1427	MPa	ISO 178
Ash content	20	%	ISO 3451
Melting point	160	°C	ISO 11357
Molding shrinkage	1.3	%	Internal method
Izoz notched impact strength	5	kJ/m ²	ISO 180

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Processing conditions	
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	1 - 2 %

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