

Technical Data Sheet

PCR PP Regranulate natural

Product Code: 000624



Description:

100% Post-Consumer-Recycled polypropylene material with high melt flow rate and good tensile and flexural strength. Suitable for injection moulding applications.

Physical Properties	Value	Units	Standard
Density	0.907	g/cm ³	DIN ISO 1183
MFR (230°C/2.16kg)	46	g/10 min.	DIN ISO 1133
Tensile Stress at yield (50mm/min.)	34	MPa	DIN ISO 527
Tensile Modulus (50mm/min.)	1480	MPa	DIN ISO 527
Elongation at break	35	%	DIN ISO 527
Flexural Strength	44	MPa	DIN ISO 178
Flexural Modulus	1520	MPa	DIN ISO 178
Ash content	0.2	%	DIN ISO 3451
Melt Point	160	°C	DIN ISO 11357
Molding Shrinkage	1.6	%	Internal
Charpy Impact Strength, notched (23°C)	3	kJ/m ²	DIN ISO 180
Charpy Impact Strength, unnotched (23°C)	61	kJ/m ²	DIN ISO 180
Heat Deflection Temperature (0.45MPa)	98	°C	DIN ISO 75

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Processing conditions	Value	Units	Standard
Melt temperature	180-220	°C	n/a
Holding pressure	200-500	Bar	n/a
Mould pressure	60-100	MPa	n/a
Mould temperature	30-50	°C	n/a
Molding time	30-60	s	n/a
Shrinkage (depending on wall thickness and moulding parameters)	1-2	%	n/a

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