

Technical Data Sheet

PCR PP Regranulate Natural Color

Product Code: 000608



Description

PCR PP 000608 is a 100% PCR (post-consumer recycled) polypropylene material with a low melt flow rate and good impact resistance, designed for extrusion (blowing) molding process.

PCR PP 000608 is made from 100% PCR juice bottles, these products are manufactured through high quality recycling process, consist of hot washing, melt filtration, pelletization and degassing etc., comply with GRS (Global Recycled Standard) and food contact materials (FCM) regulations.

Applications	
Food Containers	EBM bottles
Tubes	Straws

Special Features	
Lower impurity content control	High glossiness and low haze

Compliance	
BPA Free	FDA compliant
REACH (224 SVHC)	RoHS Directive (EU) 2011/65
California Prop. 65	TPCH
EU Regulations EC No 1935/2004 & EU No 10/2011	

Physical Properties	Value	Units	Test Method
Density	0,9	g/cm ³	ISO 1183
MFI (230°C/ 2,16kg)	3	g/10 min	ISO 1133
Tensile Stress (50mm/min)	20	MPa	ISO 527-2
Elongation at break	>120	%	ISO 527-2

Technical Data Sheet

Flexural Modulus	720	MPa	ISO 178
Flexural Strength	23	MPa	ISO 178
Ash Content	0,15	%	ISO 3451-1
Melt Point	160	°C	ISO 11357
Molding Shrinkage	1,6	%	Internal
Charpy Impact Strength, notched (23°C)	12	KJ/m ²	ISO 180
Heat Deflection Temperature (0,45MPa)	70	°C	ISO 75-2
Heavy Metals (Rohs)	Cd, Hg, Pb, Cr	-	

Processing Conditions

PCR PP 000608 is easy to process with standard extrusion blowing moulding machines.

Following parameters should be used as guidelines:

Melt temperature:	180 -210 °C
Holding pressure:	200 – 500 bar
Mould pressure:	60-100 MPa
Mould temperature:	30-50 °C
Molding time:	20-60 s

Shrinkage 1 - 2%, depending on wall thickness and moulding parameters.

Storage

PCR PP 000608 should be stored in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage can initiate degradation, which results in odor generation and color changes and can have negative effects on the physical properties of this product.

More information on storage can be found in Material Safety Data Sheet (MSDS) for this product.

Technical Data Sheet

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Disclaimer

This information contained herein is based on the data available to us and is believed to be correct. However, Sinox makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Each user of the products shall convince himself through all available sources (including finished product testing in its appropriate environment) of the suitability of the products supplied for its particular purpose.