Technical Data Sheet

Pro-fax 8623

Polypropylene, Impact Copolymer

Product Description

Pro-fax 8623 very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion and injection molding applications and offers excellent cold temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* 8623.

Application	Automotive Parts; Opaque Containers
Market	Automotive
Processing Method	Injection Molding; Sheet and Profile Extrusion; Thermoforming
Attribute	Low Temperature Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.5	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1020	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	23	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	10	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	71	kJ/m²	ISO 179
(-40 °C)	3.3	kJ/m²	ISO 179
Notched Izod Impact Strength, (23 °C)	65	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	71	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	46	°C	ISO 75A-1, -2