



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.

An ASTM and ISO-based versions of the technical datasheet are available for *Pro-fax* 8623

For regulatory compliance information see *Pro-fax* 8623 Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO ASTM
Availability	North America
Processing Methods	Extrusion Thermoforming, Injection Molding
Features	Low Temperature Impact Resistance, Good Stiffness
Typical Customer Applications	Automotive Parts, Opaque Containers

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	1.5	g/10 min
Density (23°C)	ISO 1183	0.90	g/cm ³
Note: Method A			
Mechanical			
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	22	MPa
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	10	%
Flexural modulus (23 °C)	ISO 178	1020	MPa
Impact			
Charpy notched impact strength (23 °C)	ISO 179	82	kJ/m ²
(-40 °C)		3.3	kJ/m ²
Notched izod impact strength (23 °C)	ISO 180	65	kJ/m ²
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	68	°C
Heat deflection temperature A (1.80 MPa) Unannealed	ISO 75A-1, -2	46	°C

Additional Properties

AUTOMOTIVE SPECIFICATIONS:
Chrysler MS-DB500 CPN 4002
Ford ESA-M4D472-A
Ford ESB-M4D308-A

Notes

Typical properties; not to be construed as specifications.