

Technical Data Sheet

Pro-fax 8523

Polypropylene, Impact Copolymer

Product Description

Pro-fax 8523 very high impact polypropylene copolymer is available in pellet form. This resin is typically used in extrusion or injection molding applications and offers excellent low temperature impact resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* 8523.

Application	Automotive Parts
Market	Automotive; Consumer Products
Processing Method	Injection Molding; Sheet and Profile Extrusion
Attribute	Low Temperature Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.0	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	970	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	21	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C, when Complete Break)	18	kJ/m ²	ISO 179
(23 °C, when Partial/Hinge Breaks)	40	kJ/m ²	ISO 179