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Technical Data Sheet

Pro-fax SB786

Polypropylene, Impact Copolymer

Product Description

Pro-fax SB786 impact polypropylene copolymer is available in pellet form. This resin is typically used in injection molding applications and offers good cold temperature impact and blush resistance.

ASTM and ISO-based versions of the technical data sheet are available for *Pro-fax* SB786.

Application	Battery Cases
Market	Automotive; Industrial Packaging
Processing Method	Injection Molding
Attribute	Blush Resistant; Good Stiffness; Low Temperature Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density, (23 °C, Method A)	0.90	g/cm³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	1130	MPa	ISO 178
Tensile Stress at Yield, (23 °C)	24	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	9	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	8.2	kJ/m²	ISO 179
(-40 °C)	1.9	kJ/m²	ISO 179
Notched Izod Impact Strength			
(23 °C)	7.4	kJ/m²	ISO 180
(-40 °C)	2.9	kJ/m²	ISO 180
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	72	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	48	°C	ISO 75A-1, -2