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.

Regulatory Status

For regulatory compliance information, see *Pro-fax* SB786 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Application	Battery Cases
Market	Automotive; Industrial Packaging
Processing Method	Injection Molding
Attribute	Blush Resistant; Good Stiffness; Low Temperature Impact Resistance

Typical Properties	Nominal Value	English Units	Nominal Value	SI Units	Test Method
Physical					
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Density, (23 °C)	0.90	g/cm³	0.90	g/cm³	ASTM D792
Mechanical					
Flexural Modulus					
(0.05 in/min, 1% Secant, Procedure A)	160000	psi			ASTM D790
(1.3 mm/min, 1% Secant, Procedure A)			1100	MPa	ASTM D790
Tensile Strength at Yield					
(2 in/min)	3700	psi			ASTM D638
(50 mm/min)			26	MPa	ASTM D638
Tensile Elongation at Yield	8	%	8	%	ASTM D638
Impact					
Notched Izod Impact Strength					
(73 °F, Method A)	1.6	ft-lb/in			ASTM D256
(23 °C, Method A)			85	J/m	ASTM D256
Thermal					
Deflection Temperature Under Load					
(66 psi, Unannealed)	175	°F			ASTM D648
(0.45 MPa, Unannealed)			79	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

These are typical property values not to be construed as specification limits.

Automotive Specifications

- FCA MS-DB500 CPN 4168
- FCA MS-DB500 CPN 4467
- Ford ESB-M4D175-A
- Ford WSB-M4D638-A

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit http://www.lyb.com/.

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