

Pro-fax SB786

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

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.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax SB786

For regulatory compliance information see "Pro-fax SB786 Product Stewardship Bulletin (PSB).

General Information			
UL YellowCard	E363154-101519052		
Features	Blush Resistant		
	Good Stiffness		
	Low Temperature Impact Resistance		
Uses	Battery Cases		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792B, ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	25.5	MPa	ASTM D638
Yield, 23°C	24.0	MPa	ISO 527-2
Tensile Elongation			
Yield	8.0	%	ASTM D638
Yield, 23°C	9.0	%	ISO 527-2
Flexural Modulus			
1% Secant ²	1110	MPa	ASTM D790A
23°C	1130	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	1.9	kJ/m ²	
23°C	8.2	kJ/m ²	
Notched Izod Impact			
23°C	85	J/m	ASTM D256A
-40°C	2.9	kJ/m ²	ISO 180

23°C	7.4	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	79.4	°C	ASTM D648
0.45 MPa, Unannealed	72.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	48.0	°C	ISO 75-2/A
NOTE			
1.	50 mm/min		
2.	1.3 mm/min		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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