

Pro-fax 8523

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

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.

An ASTM and ISO-based versions of the technical datasheet are available for Pro-fax 8523.

For regulatory compliance information see Pro-fax 8523 Product Stewardship Bulletin (PSB).

General Information			
Features	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Industrial Applications		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	0.898	g/cm ³	ASTM D792B
--	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	21.0	MPa	ASTM D638
Yield, 23°C	21.0	MPa	ISO 527-2
Tensile Elongation			
Yield	8.0	%	ASTM D638
Yield, 23°C	9.0	%	ISO 527-2
Flexural Modulus			
1% Secant ²	965	MPa	ASTM D790A
23°C	970	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	50	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	No Break		ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	74.0	°C	ASTM D648

NOTE

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|----|------------|
| 1. | 50 mm/min |
| 2. | 1.3 mm/min |

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