

Technical Data Sheet

**Asi Polypropylene ASI Polypropylene PP 2173H-01 Natural**

Polypropylene Impact Copolymer

LyondellBasell Industries

Distribution

Product Description

Polypropylene PP 2173H is a relatively high flow, high-impact polypropylene for injection molded parts.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• North America	
Features	• High Flow	• High Impact Resistance	• Impact Copolymer
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Compounding	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	2600 psi	17.9 MPa	ASTM D638
Tensile Elongation (Break)	20 %	20 %	ASTM D638
Flexural Modulus	145000 psi	1000 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	10 ft·lb/in	530 J/m	ASTM D256
Unnotched Izod Impact	No Break	No Break	ASTM D4812
Gardner Impact (-20°F (-29°C))	> 200 in·lb	> 22.6 J	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	60	60	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	185 °F	85.0 °C	ASTM D648

Notes¹ 2.0 in/min (51 mm/min)**Notes**

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

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company InformationFor further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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