

Technical Data Sheet

# Matrixx PP6D0HBYL41

Polypropylene Copolymer  
 LyondellBasell Industries  
 Engineering Plastics

**Product Description**

PP6D0HBYL41 is an Unfilled, High Impact Polypropylene, Yellow Color

**General**

Features	• High Impact Resistance
Appearance	• Yellow
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	17 g/10 min	17 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°f (23°c))	2680 psi	18.5 MPa	ASTM D638
Flexural Modulus	159000 psi	1100 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°f (23°c))	13 ft·lb/in	690 J/m	ASTM D256
Gardner Impact	179 in·lb	20.2 J	ASTM D5420

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	180 to 220 °F	82 to 104 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	350 to 450 °F	177 to 232 °C
Middle Temperature	350 to 450 °F	177 to 232 °C
Front Temperature	350 to 450 °F	177 to 232 °C
Processing (Melt) Temp	380 to 450 °F	193 to 232 °C
Mold Temperature	70 to 120 °F	21 to 49 °C
Injection Rate	Moderate	Moderate
Back Pressure	20.0 to 300 psi	0.138 to 2.07 MPa
Cushion	0.250 to 0.500 in	6.35 to 12.7 mm

**Notes**

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