



# Pro-fax PD702

LyondellBasell Industries - Polypropylene Homopolymer

Wednesday, December 8, 2021

## General Information

### Product Description

Pro-fax PD702 polypropylene homopolymer is available in pellet form. This resin is typically used in injection molding applications.

For regulatory compliance information see Pro-fax PD702 Product Stewardship Bulletin (PSB).

### General

Material Status	• Commercial: Active		
Regional Availability	• North America		
Features	• Good Dimensional Stability	• Good Processability	
Uses	• Caps	• Closures	• Containers
Forms	• Pellets		
Processing Method	• Injection Molding		

## ASTM & ISO Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.900	0.900	ASTM D792B
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 g/10 min	35 g/10 min	ASTM D1238
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield)	4500 psi	31.0 MPa	ASTM D638
Tensile Elongation (Yield)	12 %	12 %	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup>	170000 psi	1170 MPa	ASTM D790A
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.60 ft-lb/in	32 J/m	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	190 °F	88.0 °C	ASTM D648

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 2.0 in/min (50 mm/min)

<sup>3</sup> 0.051 in/min (1.3 mm/min)