



Pro-fax PD702

LyondellBasell Industries - Polypropylene Homopolymer

Friday, January 24, 2025

General Information

Product Description

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

General

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Good Dimensional Stability • Good Processability
Uses	• Caps • Consumer Applications • Labware • Closures • Containers • Rigid Packaging
Appearance	• Opaque
Processing Method	• Extrusion Coating • Injection Molding

ASTM & ISO Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	0.902	0.902	ASTM D792
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 (Yield)	• 4500 psi • 4500	• 31.0 MPa • 31.0	ASTM D638
Tensile Elongation (Yield)	12 %	12 %	ASTM D638
Flexural Modulus - 1% Secant			ASTM D790A
-- ²	170000 psi	1170 MPa	
-- ³	170000 psi	1170 MPa	
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	• 0.60 ft-lb/in • 0.60	• 32 J/m • 32	ASTM D256A
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	• 190 °F • 190	• 88.0 °C • 87.8	

Notes

¹ Typical properties: these are not to be construed as specifications.

² 0.051 in/min (1.3 mm/min)

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