

Pro-fax PD702

LyondellBasell Industries - Polypropylene Homopolymer

Thursday, December 21, 2023

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 ¹								
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 ² (Yield)	4500	psi	31.0	MPa	ASTM D638			
Tensile Elongation (Yield)	12	%	12	%	ASTM D638			
Flexural Modulus - 1% Secant ³	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					ASTM D648			
66 psi (0.45 MPa), Unannealed	190	°F	88.0	°C				

Notes

Copyright ©, 2023, Formerra, LLC. All the information in this literature is for general information purpose only. Formerra makes no representations, guarantees, or warranties of any kind with respect to the information contained in this literature, including its accuracy, completeness, reliability, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for pricing, property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Formerra makes no warranties or guarantees respecting suitability of either Formerra's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. FORMERRA MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature or any other provided literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner. Any action you take upon the information you find in this literature is strictly at your own risk. Formerra will not be liable for any losses and/or damages in connection with the use of this literature. By using this literature, you hereby consent to this disclaimer and agree to its terms.

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

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)