

Polyaxis PD2000R Intermediate

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyaxis PD 2000R is a polypropylene specifically designed for rotational molding.

General

Additive	• UV Stabilizer: No		
Uses	• Bottles	• Containers	• High Temperature Applications
Appearance	• Natural Color		
Forms	• Pellets	• Powder	
Processing Method	• Rotational Molding		

Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Compression Molded, F50	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	3760	psi	ASTM D638
Tensile Elongation ² (Break, Rotational Molded)	40	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	187000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength			ARM
73°F, 0.125 in, Rotational Molded	15	ft-lb	
73°F, 0.250 in, Rotational Molded	15	ft-lb	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Rotational Molded	239	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, 0.125 in, Rotational Molded	121	°F	ASTM D648

Notes

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

² 2.0 in/min