Polyaxis PD 3000-31G BLACK

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Polyaxis PD 3000 is a polypropylene specifically designed for rotational molding. A long term UV package and robust antioxidant system allow this material to be used in a variety of applications.

General

Additive	• Long Term UV-15 Stabilizer	
Features	• UV Stabilized	
Uses	• Automotive Under the Hood • Bottles	• Containers • High Temperature Applications
Appearance	• Black	• Natural Color
Forms	• Pellets	• Powder
Processing Method	• Rotational Molding	

Properties [1]

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)			ASTM D1693
100% Igepal, Compression Molded, F50	> 1000	hr	
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	20	ft·lb	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 psi, Unannealed, Rotational Molded	221	°F	
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed, 0.125 in, Rotational Molded	122	°F	

Notes

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

[2] 2.0 in/min