

POLYAXIS® PD 3000

Polypropylene Copolymer

A. Schulman Inc.

Message:

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

General Information			
Additive	UV Stabilizer		
Appearance	Black		
	Natural Color		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	25.9	MPa	ASTM D638
Tensile Elongation ³ (Break, Rotational Molded)	40	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	1290	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (23°C, 3.18 mm, Rotational Molded)	20	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Rotational Molded)	120	°C	ASTM D648
NOTE			
1.	Compression Molded		
2.	51 mm/min		
3.	51 mm/min		

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