

POLYAXIS® RLLP 622

High Density Polyethylene

A. Schulman Inc.

Message:

POLYAXIS® RLLP 622 is a High Density Polyethylene product. It can be processed by rotational molding and is available in North America. Primary characteristic: flame rated.

General Information			
Appearance	Colors Available		
	White		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	15.2	MPa	ASTM D638
Tensile Elongation ³ (Break, Rotational Molded)	50	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	586	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.18 mm, Rotational Molded)	27	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Rotational Molded)	48.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Any Color)	V-2		UL 94
NOTE			
1.	Compression Molded		
2.	51 mm/min		
3.	51 mm/min		

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