

## A. Schulman POLYAXIS® LP624 Stabilized High Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Rotational Molding Grade

### Material Notes:

Description Polyaxis CP 624 is a stabilized high density polyethylene rotational molding compound with good flow and stiffness. NOTE:

Physical properties are based on rotationally molded samples from unpigmented resin. Density and ESCR tests were performed on compression molded samples. Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-POLYAXIS-LP624-Stabilized-High-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_A-Schulman-POLYAXIS-LP624-Stabilized-High-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.942 g/cc	0.942 g/cc	ASTM D792
ESCR 100% Igepal®	>= 500 hour	>= 500 hour	ASTM D1693
Melt Index of Compound	6.0 g/10 min	6.0 g/10 min	2.16/190; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.9 MPa	2600 psi	2"/min; ASTM D638
Elongation at Break	400 %	400 %	2"/min; ASTM D638
Flexural Modulus	0.724 GPa	105 ksi	at 1% secant modulus; ASTM D790
Impact Test	56.9 J @Thickness 3.17 mm, Temperature -40.0 °C	42.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	ARM impact

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	52.0 °C	126 °F	ASTM D648

Descriptive Properties	Value	Comments
UV Stabilization	UV-8	

## Contact Songhan Plastic Technology Co.,Ltd.

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