

POLYAXIS® CP 812

Linear Low Density Polyethylene

A. Schulman Inc.

Message:

Polyaxis CP 812 is a general purpose linear low density polyethylene compound offering quick cycles and part to part consistency. Available as pellet or powder.

General Information			
Additive	Long Term UV-8 Stabilizer		
Features	Fast Molding Cycle		
Uses	General Purpose		
UL File Number	E 51193		
Appearance	Colors Available		
Forms	Pellets		
	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	0.932 to 0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 to 7.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	> 500	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, Rotational Molded)	15.5	MPa	ASTM D638
Tensile Elongation ³ (Break, Rotational Molded)	500	%	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)	76	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Rotational Molded)	54.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, ALL)	HB		UL 94
NOTE			
1.	Compression Molded		
2.	51 mm/min		
3.	51 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

