

POLYAXIS® CP 813-31

Linear Low Density Polyethylene

A. Schulman Inc.

Message:

Polyaxis CP 812 is a black 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		
Appearance	Black		
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)	4.5 to 6.5	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)	15.9	MPa	ASTM D638
Tensile Elongation ³ (Break, Rotational Molded)	400	%	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	579	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength (-40°C, 3.18 mm, Rotational Molded)	54	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Rotational Molded)	51.1	°C	ASTM D648
NOTE			
1.	Compression Molded		
2.	51 mm/min		
3.	51 mm/min		

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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

