

PolyOne Syncure™ S1042A Polyethylene, Crosslinked (XLPE)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Moisture Crosslinkable Polyethylene Compound. Available as Base Resin component for PolyOne Syncure System. Tensile, Deformation, and Gel measured on a 95 phr S1042A / 5 phr S1000B system; and cured for 6 hours in water at 90 degree C. Brittleness Temperature is Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Syncure-S1042A-Polyethylene-Crosslinked-XLPE.php

Physical Properties	Metric	English	Comments
Density	0.490 g/cc	0.0177 lb/in ³	Geon® 1169; Internal Method
	0.912 g/cc	0.0329 lb/in ³	ASTM D1505
Melt Flow	0.73 g/10 min	0.73 g/10 min	Procedure A; ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
Deformation	5.0 % @Temperature 131 °C, Time 3600 sec	5.0 % @Temperature 268 °F, Time 1.00 hour	500 g; UL 1581

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.1 MPa	1900 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	300 %	300 %	Type IV, 510 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-70.0 °C	-94.0 °F	ASTM D746

Descriptive Properties	Value	Comments
Appearance	Pellets/Cubes	ASTM D2090
Forms	Pellets	
Gel Content	75%	ASTM D2765; Crosslinked PE, Method B (NonReferee Test)
Generic Material	XLPE	
Generic Name	Polyethylene, Crosslinked (XLPE)	
Regional Availability	North America	
Uses	Wire & Cable Applications	

Descriptive Properties	Value	Comments
------------------------	-------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China