

PolyOne Syncure™ System S117FH Polyethylene, Crosslinked (XLPE)

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

NOTE: The above represents Typical Properties measured on 20 AWG with 16 mil wall. STORAGE AND HANDLING: Use within 48 hours once package is open to avoid self-curing and scrap. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Syncure-System-S117FH-Polyethylene-Crosslinked-XLPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792
Deformation	18 %	18 %	500 g; UL 1581
	@Temperature 131 °C, Time 3600 sec	@Temperature 268 °F, Time 1.00 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	10 sec; ASTM D2240
	62	62	ASTM D2240
Tensile Strength, Yield	16.5 MPa	2390 psi	Type IV, 510 mm/min; ASTM D638
Elongation at Break	400 %	400 %	Type IV, 510 mm/min; ASTM D638

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Automotive Specifications	SAE J1128	
Catalyst Masterbatch	40%	V-0064G RoHS
Flame Test	Pass	SAE J1128; 45 degree
Forms	Pellets	
Gel Content	60%	ASTM D2765; Crosslinked PE, Method B (NonReferee Test)
Generic Material	XLPE	
Generic Name	Polyethylene, Crosslinked (XLPE)	
Grafted Base Resin	60%	S-1075A
Processing Method	Extrusion Coating	
Regional Availability	North America	

Descriptive Properties	Value	Comments
Retention of Tensile Strength	100%	155°C, 1.91 mm; 168 hr, UL Standard
Uses	Automotive Applications	
	Wire & Cable Applications	

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