

Syncure™ GR150

Crosslinked Polyethylene

PolyOne Corporation

Message:

Graft Resin component for PolyOne's Syncure™ system, which is a two-step, silane-grafted, moisture-crosslinkable polyethylene system. Graft Resins have approximate shelf life of 6 months from the date of production. Please consult PolyOne for its use past 6 months.

General Information			
Uses	Wire and cable applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.923	g/cm ³	ASTM D1505
Apparent Density ¹	0.50	g/cm ³	Internal method
Melt Mass-Flow Rate (MFR) ² (190°C/2.16 kg)	0.39	g/10 min	ASTM D1238
Gel Content ³	75	%	ASTM D2765
Deformation ⁴ (131°C)	3.6	%	UL 1581
Thermal creep elongation ⁵	35	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ⁶	11.0	MPa	ASTM D638
Tensile Strength ⁷ (Break)	16.5	MPa	ASTM D638
Tensile Elongation ⁸ (Break)	600	%	ASTM D638
Additional Information			
张力,伸长率,变形值,热蠕变和凝胶值基于95 phr S1060A / 5 phr S1000B系统测量得出;并在90摄氏度的水中硫化6小时.颗粒外观为 1/8"圆柱状.			
NOTE			
1.	Geon® 1169		
2.	Procedure A		
3.	Cross-linked PE, Method B (Non-Arbitration Test)		
4.	500g,1 hour		
5.	SYV-40		
6.	Type 4, 510mm/min		
7.	Type 4, 510mm/min		
8.	Type 4, 510mm/min		

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