

Syncure™ S1054A Natural

Crosslinked Polyethylene

PolyOne Corporation

Message:

Moisture cross-linked polyethylene composite material. Base resin composition, used in the Syncure system of Plivan.

General Information			
Uses	Wire and cable applications		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.919	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)	0.58	g/10 min	ASTM D1238
Gel Content ³	73	%	ASTM D2765
Tensile strength retention rate ⁴ (121°C, 1.91 mm)	99	%	
Elongation retention rate ⁵ (121°C, 1.91 mm)	93	%	
Deformation ⁶ (131°C)	6.0	%	UL 1581
Thermal creep elongation ⁷	49	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ⁸ (Break)	17.2	MPa	ASTM D638
Tensile Elongation ⁹ (Break)	450	%	ASTM D638
Additional Information			
炉内老化值,张力,伸长率,变形值,热蠕变和凝胶值基于95 phr S1054A / 5 phr S1000B 系统测量得出;并在蒸汽中硫化8 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.	336 hours, UL standard		
5.	336 hours, UL standard		
6.	500g,1 hour		
7.	SYV-40		
8.	Type 4, 510mm/min		
9.	Type 4, 510mm/min		

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