

Syncure™ S1042A 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	0.918	g/cm³	ASTM D1505
Apparent Density ¹	1.70	g/cm³	Internal method
Melt Mass-Flow Rate (MFR) ² (190°C/2.16 kg)	0.73	g/10 min	ASTM D1238
Gel Content ³	75	%	ASTM D2765
Appearance	Particles/cubes		ASTM D2090
Deformation ⁴ (131°C)	5.0	%	UL 1581
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ⁵ (Break)	13.1	MPa	ASTM D638
Tensile Elongation ⁶ (Break)	300	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746
Additional Information			
张力,变形值,热蠕变和凝胶值基于 95 phr S1042A / 5 phr S1000B系统测量得出;并在90摄氏度的水中硫化6小时.脆化温度为			
NOTE			
1.	Geon® 1169		
2.	Procedure A		
3.	Cross-linked PE, Method B (Non-Arbitration Test)		
4.	500g,1 hour		
5.	Type 4, 510mm/min		
6.	Type 4, 510mm/min		

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Recommended distributors for this material

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