



Syncure™ V0045G RoHS

Crosslinked Polyethylene

Key Characteristics

Product Description

Available as Flame Retardant Catalyst Masterbatch component for PolyOne Syncure System.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Features	• Flame Retardant
Uses	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.68	1.68	ASTM D792
Apparent Density ²	1.00 g/cm ³	1.00 g/cm ³	Internal Method
Gel Content ³	60 %	60 %	ASTM D2765
Aging	Typical Value (English)	Typical Value (SI)	
Retention of Tensile Elongation ⁴ 316°F (158°C), 75.0 mil (1.91 mm)	80 %	80 %	
Retention of Tensile Strength ⁴ 316°F (158°C), 75.0 mil (1.91 mm)	85 %	85 %	

Additional Information

Gel, Torque, Dispersion, and Oven Aging were measured on a 100 phr S1025A / 50 phr V0045G Syncure System. Cured for 6 hours in water at 90°C for Gel test and Oven Aging. Torque is > 1400. Dispersion is Visual. Pellet appearance is 1/8" round.

Notes

¹ Typical values are not to be construed as specifications.

² Geon® 1169

³ Crosslinked PE, Method A (Referee Test)

⁴ 672 hr, UL Standard

CONTACT INFORMATION**Americas**

United States - Avon Lake
+1 440 930 1000

United States - McHenry
+1 815 385 8500

Asia

China - Guangzhou
+86 20 8732 7260

China - Shenzhen
+86 755 2969 2888

China - Suzhou
+86 512 6823 24 38

China - Suzhou
+86 512 6265 2600

Hong Kong -
+852 2690 5332

Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0

Spain - Barbastro (Huesca)
+34 974 310 314



Beyond Polymers.

Better Business Solutions. SM

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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