



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
Density / Specific Gravity	1.68	1.68	ASTM D792
Apparent (Bulk) 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