



Syncure™ V0044G RoHS Natural Crosslinked Polyethylene

Key Characteristics

Product Description

Catalyst Masterbatch component for PolyOne's Syncure™ system, which is a two-step, silane-grafted, moisture-crosslinkable polyethylene system.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East	• Europe	
	• Asia Pacific	• North America	
Features	• Flame Retardant		
Uses	• Wire & Cable Applications		
Forms	• Pellets		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	2.26	2.26	ASTM D792
Apparent Density ²	1.26 g/cm ³	1.26 g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) ³ (190°C/2.16 kg)	3.4 g/10 min	3.4 g/10 min	ASTM D1238

Additional Information

Dispersion measured on a 100 phr S1025A / 90 phr V0044G Syncure System. Cured for 6 hours in water at 90°C. Dispersion is Visual. Pellet appearance is 1/8" round.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	160 °F	71.1 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Rear Temperature	400 to 420 °F	204 to 216 °C
Middle Temperature	340 to 400 °F	171 to 204 °C
Front Temperature	350 to 400 °F	177 to 204 °C
Nozzle Temperature	350 to 420 °F	177 to 216 °C
Mold Temperature	80.0 to 150 °F	26.7 to 65.6 °C

Notes

¹ Typical values are not to be construed as specifications.

² Geon® 1169

³ Procedure A

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