



Syncure™ V0022G 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
RoHS Compliance	• RoHS Compliant
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	2.04	2.04	ASTM D792
Apparent Density ²	1.16 g/cm ³	1.16 g/cm ³	Internal Method
Gel Content ³	70 %	70 %	ASTM D2765

Additional Information

Gel was measured on a 80 phr S1054A / 20 phr V0022G RoHS Natural Syncure System. Cured by autoclave for 9 hours.

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 Crosslinked PE, Method A (Referee Test)

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