



Syncure™ S1037B 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
Uses	• Wire & Cable Applications	
Appearance	• Natural Color	
Forms	• Pellets	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.960 g/cm ³	0.960 g/cm ³	ASTM D1505
Apparent Density ²	0.48 g/cm ³	0.48 g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) ³ (190°C/2.16 kg)	8.7 g/10 min	8.7 g/10 min	ASTM D1238

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 445 °F	204 to 229 °C
Middle Temperature	410 to 455 °F	210 to 235 °C
Front Temperature	420 to 465 °F	216 to 241 °C
Nozzle Temperature	430 to 475 °F	221 to 246 °C
Mold Temperature	40.0 to 110 °F	4.44 to 43.3 °C

Notes

¹ Typical values are not to be construed as specifications.

² Geon® 1169

³ Procedure A

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