



Syncure™ S1006B

Crosslinked Polyethylene

Key Characteristics

Product Description

Available as Catalyst Masterbatch component for PolyOne Syncure System.

General

Material Status	• Commercial: Active
Regional Availability	• North America
Uses	• Wire & Cable Applications
Forms	• Pellets

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.920 g/cm ³	0.920 g/cm ³	ASTM D1505
Apparent (Bulk) Density ²	0.45 g/cm ³	0.45 g/cm ³	Internal Method
Melt Mass-Flow Rate (MFR) ³ (190°C/2.16 kg)	1.8 g/10 min	1.8 g/10 min	ASTM D1238
Appearance	Pellets/Cubes	Pellets/Cubes	ASTM D2090
Aging	Typical Value (English)	Typical Value (SI)	
Retention of Tensile Elongation ⁴ 316°F (158°C), 75.0 mil (1.91 mm)	75 %	75 %	
Retention of Tensile Strength ⁴ 316°F (158°C), 75.0 mil (1.91 mm)	75 %	75 %	

Additional Information

Oven Aging values are >75, and were measured on a 95 phr S1025A / 5 phr S1006B Syncure System. Pellet appearance is 1/8" cylindrical.

Notes

¹ Typical values are not to be construed as specifications.

² Geon® 1169

³ Procedure A

⁴ 168 hr, UL Standard