



## 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 <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.920 g/cm <sup>3</sup>	0.920 g/cm <sup>3</sup>	ASTM D1505
Apparent Density <sup>2</sup>	0.45 g/cm <sup>3</sup>	0.45 g/cm <sup>3</sup>	Internal Method
Melt Mass-Flow Rate (MFR) <sup>3</sup> (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 <sup>4</sup> 316°F (158°C), 75.0 mil (1.91 mm)	75 %	75 %	
Retention of Tensile Strength <sup>4</sup> 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

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> Geon® 1169

<sup>3</sup> Procedure A

<sup>4</sup> 168 hr, UL Standard

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