

Petrothene® XL07407

Polyolefin
LyondellBasell Industries

Message:

Petrothene XL07407 is a colorable, non-halogenated, flame retardant compound crosslinkable via continuous vulcanization (C.V.).
Petrothene XL07407 is used in 125°C automotive wire & cable applications (SAE J1128) and UL 125°C appliance and SIS wire.

General Information			
Additive	Antioxidation		
	Flame retardancy		
Features	Copolymer		
	Antioxidation		
	Crosslinkable		
	Halogen-free		
	Flame retardancy		
Uses	Low voltage insulation		
	Electrical conductor insulation material		
	Wire and cable applications		
	Application in Automobile Field		
Wire Types	SIS		
Agency Ratings	SAE J1128		
Appearance	White		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ASTM D1505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	20.7	MPa	ASTM D412
Tensile Elongation (Break)	220	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (165°C, 168 hr)	1.0	%	ASTM D573
Change in Ultimate Elongation in Air (165°C, 168 hr)	-2.0	%	ASTM D573
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	107 - 113	°C	
Cylinder Zone 2 Temp.	107 - 113	°C	
Cylinder Zone 3 Temp.	107 - 113	°C	

Adapter Temperature	113 - 118	°C
Melt Temperature	116 - 127	°C
Die Temperature	32.2 - 48.9	°C

Extrusion instructions

Head Temperature: 235 to 245°F Curing line steam temperature should be at least 400°F.

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