

Petrothene® YR19548

Polyolefin
LyondellBasell Industries

Message:
Petrothene YR19548 is a colorable, non-halogenated, flame retardant compound crosslinkable via electron beam radiation.

General Information			
Additive	Flame retardancy		
Features	Radiation crosslinkable		
	Crosslinkable		
	Halogen-free		
	Flame retardancy		
Uses	Electrical conductor insulation material		
	Wire and cable applications		
	Application in Automobile Field		
Agency Ratings	SAE J1128		
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)	16.6	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)	0.0	%	ASTM D573
Change in Ultimate Elongation in Air (165°C, 168 hr)	-10	%	ASTM D573
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	129 - 135	°C	
Cylinder Zone 2 Temp.	129 - 135	°C	
Cylinder Zone 3 Temp.	129 - 135	°C	
Cylinder Zone 4 Temp.	135 - 141	°C	
Adapter Temperature	146 - 152	°C	
Melt Temperature	171 - 182	°C	
Die Temperature	146 - 152	°C	
Extrusion instructions			
Head Temperature: 152 to 157°F			

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