

LyondellBasell Petrothene[®] YR19513 Polyolefin Wire and Cable Compound

Category : Polymer , Thermoplastic , Polyolefin

Material Notes:

Applications PETROTHENE YR 19513 is a colorable, thermoplastic, non-halogenated, flame retardant polyolefin compound designed for use as striping for chemically crosslinkable automotive primary and appliance wire applications. Regulatory Status Processing YR 19513, like other thermoplastic polyolefin compounds, can be extruded by a conventional extruder. YR 19513 crosslinks when peroxide vapors pass into the thin striping made from this product from the main body of crosslinked insulation. Additionally, since the striping is on the outside surface of the insulation, it is exposed to the high temperature steam in the crosslinking process for the maximum amount of time. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-YR19513-Polyolefin-Wire-and-Cable-Compound.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D1505

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	5.52 MPa	800 psi	Original; ASTM D638
Elongation at Break	500 %	500 %	Original; ASTM D638

Processing Properties	Metric	English	Comments
Feed Temperature	107 - 113 Å°C	225 - 235 Å°F	
Zone 2	116 - 127 Å°C	240 - 260 Å°F	
Zone 3	121 - 132 Å°C	250 - 270 Å°F	
Zone 4-x	121 - 132 Å°C	250 - 270 Å°F	
Adapter Temperature	121 - 132 Å°C	250 - 270 Å°F	
Die Temperature	121 - 132 Å°C	250 - 270 Å°F	
Melt Temperature	121 - 132 Å°C	250 - 270 Å°F	

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