

Petrothene

YR19513

Non-Halogenated Flame Retardant Polyolefin Compound

Wire and Cable Grade

Density **1.40**



Description

Petrothene YR19513 is a colorable, non-halogenated, flame retardant thermoplastic compound.

Applications

Petrothene YR19513 is used as an extruded stripe in 125°C automotive primary insulation (SAE J1128) constructions.

Typical Properties

Property*	Nominal Value	Units	ASTM Method
Density	1.40	g/cc	D 1505

* The data obtained for physical properties are nominal values only and subject to normal variations consistent with the test methods and/or variations found acceptable to the industry.

Material Handling

Pre-drying is typically not required. For additional handling information see the MSDS.

Processing Techniques

Petrothene YR19513, like other thermoplastic polyolefin compounds, can be extruded by a conventional extruder. Below are suggested extrusion conditions for YR19513. These conditions are intended as general guidelines only and are not optimum values, since manufacturing variables such as extruder type and size have an effect on processing. Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.

Suggested General Extrusion Conditions

Extruder Zone	Temperature Range	Extruder Zone	Temperature Range
Feed	265° - 275°F (129° - 135°C)	Adapter	295° - 305°F (146° - 152°C)
Zone 2	265° - 275°F (129° - 135°C)	Die	295° - 305°F (146° - 152°C)
Zone 3	265° - 275°F (129° - 135°C)	Head	305° - 315°F (152° - 157°C)
Zone 4-X	275° - 285°F (135° - 141°C)	Melt	340° - 360°F (171° - 182°C)
