



Petrothene®

YR92866

Polyolefin Compound

Wire and Cable Grade

Melt Index 0.48 Density 0.94

Applications

PETROTHENE YR92866 is a low density polyethylene/ethylene vinyl acetate copolymer compound designed for use in wire and cable jacketing applications where extra flexibility is required. The carbon black content of YR92866 is 2.5 percent. Antioxidant has been added to ensure thermal stability during processing.

Processing Techniques

YR92866, like other thermoplastic polyolefin copolymer compounds, can be extruded as a wire or cable jacket or insulation by means of a conventional extruder. Specific recommendations for processing YR92866 can only be made when the processing conditions, equipment and end uses are known. For additional information contact your Equistar sales or technical service representative.

Typical Properties

Property*	Nominal Value	Units	ASTM Test Method
Density	0.94	g/cc	D 1505
Melt Index	0.48	g/10 min.	D 1238
Tensile Strength	2,800 (19.3)	psi (MPa)	D 638
Elongation	730	%	D 638
Low Temperature Brittleness, F ₅₀	<-76	°C	D 746
ESCR, 10% Igepal®	0 Failures at 4 days		D 1693
Dielectric Constant @ 100 Khz (@ 1 Mhz)	2.69 (2.66)		D 1531
Dissipation Factor @ 100 Khz (@ 1 Mhz)	0.006 (0.009)		D 1531

* The values reported are based on limited data.

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