

# Petrothene® YR92866

Low Density Polyethylene + EVA

LyondellBasell Industries

## Message:

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.

YR92866, like other thermoplastic polyolefin copolymer compounds, can be extruded as a wire or cable jacket or insulation by means of a conventional extruder.

General Information			
Additive	Antioxidant		
	Carbon Black (3%)		
Features	Antioxidant		
	Copolymer		
Uses	Cable Jacketing		
	Wire & Cable Applications		
	Wire Jacketing		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.48	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F0)	96.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19.3	MPa	ASTM D638
Tensile Elongation (Break)	730	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Electrical	Nominal Value		Test Method
Dielectric Constant			ASTM D1531
100 kHz	2.69		
1 MHz	2.66		
Dissipation Factor			ASTM D1531
100 kHz	6.0E-3		
1 MHz	9.0E-3		

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