Petrothene® YR92126

Crosslinked Polyethylene

LyondellBasell Industries

Message:

PETROTHENE YR92126 has been specially formulated for use as shielding and jacketing for medium voltage power cable. When properly extruded, cables produced with YR92126 will meet the requirements of AEIC CS 5-82 and ICEA S-66-524. YR92126 is a thermoplastic polyolefin-based, semiconductive, deformation resistant, black compound. Antioxidant has been added to ensure thermal stability during processing and enhance product performance.

General Information			
Additive	Antioxidation		
Features	Semi-conductive Antioxidation		
Uses	Cable sheath Wire and cable applications Wire sheath		
Appearance	Black		
Processing Method	Wire & Cable Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.13	g/cm³	ASTM D1505
Environmental Stress-Cracking Resistance (100% Igepal, F0)	168	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	59		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	12.4	MPa	ASTM D638
Tensile Elongation (Break)	240	%	ASTM D638
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air (100°C, 168 hr)	0.0	%	ASTM D573
Change in Ultimate Elongation in Air (100°C, 168 hr)	-10	%	ASTM D573
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-25.0	°C	ASTM D746
Heat Distortion			ASTM D1047
110°C	1.0	%	ASTM D1047
121°C	6.0	%	ASTM D1047
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	3.0	ohms·cm	ASTM D991

infringement occurs, please contact us immediately.

Recommended distributors for this material

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