

# Indothene LL LL 24FA030

Linear Low Density Polyethylene  
Reliance Industries Limited

Message:

Indothene-LL LL24FA030 is a linear low-density polyethylene produced by gas-phase fluidised bed process using butene as comonomer. It is specially designed for low voltage insulation compound for silane cross-linking process by way optimal co monomer insertion. The grade is designed with optimum level of antioxidants and does not contain slip or anitblock.

FOOD CONTACT APPLICATIONS :

This grade shall meet the requirements of Indian Standard IS-10146-1982 on "Polyethylene for its safe use in contact with food stuffs, pharmaceuticals and drinking water". It shall also conform to the positive list of constituents as approved in IS: 10141:1982. The grade may also comply with FDA regulation: CFR title 21, 177.1520, Olefin polymer .

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Butene Comonomer		
	Crosslinkable		
	Food Contact Acceptable		
Uses	Blending		
	Film		
	Wire & Cable Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.20 mm)	12.0	MPa	ASTM D638
Tensile Elongation (Break, 3.20 mm)	650	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	108	°C	ASTM D1525
Melting Temperature	121 to 124	°C	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 230	°C	
Cylinder Zone 2 Temp.	160 to 230	°C	
Cylinder Zone 3 Temp.	160 to 230	°C	
Cylinder Zone 4 Temp.	160 to 230	°C	

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