

RELENE® D16501

High Density Polyethylene

Reliance Industries Limited

Message:

D16501 is a UV Stabilised High Density Polyethylene compound with broad molecular weight distribution, suitable for producing Cable Duct for Optic Fibre and other general purpose cables. The compound offers good processing characteristics, improved melt strength and can withstand outdoor exposure of more than 12 months. Designation for Relene D 16501 as per IS: 7328-1992 is PEELA-45-T-012 and it also conforms to TEC Generic requirements No. GR/CDS-08/0.2NOV-2004

General Information	
Additive	UV Stabilizer
Features	Food Contact Acceptable
	Good Melt Strength
	Med.-Wide Molecular Weight Distrib.
Uses	Wire & Cable Applications
Agency Ratings	FDA 21 CFR 177.1520
	IS 10141-1982
	IS 10146-1982

Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	22.0	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	500	%	ASTM D638
Flexural Modulus (Compression Molded)	900	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Oxidation Induction Time	> 50	min	ASTM D3985

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