



D16501 LINEAR POLYETHYLENE

TELECOM DUCTING COMPOUND

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-08/02. NOV'2004

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D1505	g/cc	0.948
MFI (190°C/2.16 kg)	ASTM D1238	g/10 min	0.30
Tensile Strength at Yield	ASTM D638	MPa	22
Elongation at Break	ASTM D638	%	500
Flexural Modulus	ASTM D790	MPa	900
Vicat Softening Point	ASTM D1525	°C	125
Oxidation Induction Time	ASTM D3895	Min	>50

*Typical values not to be taken as specification

**Mechanical Properties are on Compression moulding

Applications

Telecom Ducting compound

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146-1982 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS : 10141-1982. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers.

Storage Recommendations

- Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight.