



DI650I HIGH DENSITY POLYETHYLENE FOR TELECOM DUCTS

DI650I is a UV Stabilised High Density Polyethylene grade 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 12 months. Relene D I650I 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 (AL Pan, 200°C)	Min	> 50

*Typical values not to be taken as specification

**Mechanical Properties are on Compression moulding

Applications

Ducts for optical fibre cables and General Purpose Application

Regulatory Information

- Meets the requirements stipulated in standard IS : 10146 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. 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.