



E19010

LINEAR LOW DENSITY POLYETHYLENE GENERAL PURPOSE GRADE

E19010 is a Linear Low Density Polyethylene (LLDPE) grade, for General Purpose Applications like Blending for Injection Moulding, Drip Lateral and Thick Extruded Products. This grade meets the requirements of material as per IS 12786:1989 on 'irrigation equipment – Polyethylene pipes for irrigation laterals - specification. When incorporated with adequate quantity of Carbon Black as specified in clause 4.1 of IS 12786:1989, the pipe made from this grade will meet creep rupture stress requirement of PE-25 class of pipe.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index	ASTM D1238	gm/10 min	1.05
Density (23°C)	ASTM D1505	g/cc	0.918
Tensile Strength at Yield*	ASTM D638	MPa	> 13
Elongation at Yield	ASTM D638	%	13
Elongation at Break	ASTM D638	%	> 500

*Typical values not to be taken as specifications

**Mechanical Properties are on Injection Moulded Specimen

Applications

General Purpose Application like Blending for IM, Drip Lateral and Thick Extruded Products.

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.