RELENE POLYETHYLENE
A Reliance Polymers product

Reliance POLYMERS

55EF010

HIGH DENSITY POLYETHYLENE

FOR MONOFILAMENTS

55EF010 is a High Density Polyethylene (HDPE) grade, specially formulated to manufacture oriented monofilament products. It has narrow molecular weight distribution and has very good processability, less motor load and high output combined with very good elongation and filament properties to make it a grade of choice.

Typical Characteristics*			
Property	**Test Method**	**Unit**	**Typical Value****
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	gm/10 min	1.0
Density (23°C)	ASTM D1505	gm/cm^3	0.955
Tensile Strength at Yield	ASTM D638	MPa	23
Elongation at Yield	ASTM D638	%	15
Flexural Modulus	ASTM D790	MPa	820
Notched Izod Impact Strength	ASTM D256	J/m	No Break
Vicat Softening Point	ASTM D1525	°C	127

*Typical Characteristics and not to be taken as specifications
**Mechanical Properties are on Injection Moulded Specimen

Applications

Monofilaments.

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.

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