



## EE20 HIGH DENSITY POLYETHYLENE FOR ORIENTED TAPE

EE20 is a High Density Polyethylene (HDPE) grade with low gel content, excellent elongation and orientation characteristics with negligible water carry-over. This grade is recommended for making low denier raffia tapes with very good elongation and moderate tenacity and recommended for wrapping fabrics for various applications.

Typical Characteristics*			
Property	Test Method	Unit	Typical Value**
Density (23°C)	ASTM D1505	g/cc	0.952
MFI (2.16 kg)	ASTM D1238	g/10 min	1.45
Tensile Strength at Yield (MD/TD)	ASTM D882	MPa	30/32
Ultimate Tensile Strength (MD/TD)	ASTM D882	MPa	30/33
Elongation at Break (MD/TD)	ASTM D882	%	800/850
Dart Impact Strength, F <sub>50</sub>	ASTM D1709	g/μm	1.5
Tear Strength (MD/TD)	ASTM D1922	g/μm	0.4/0.8

\*Typical Characteristics and not to be taken as specifications

\*\*Typical Values (Mechanical) with 40 μ film made with 0.75mm die gap & 2.75 BUR

### Applications

Wrapping fabrics and oriented tapes.

### 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 : 0141. 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.