

# RELENE® EE20

High Density Polyethylene

Reliance Industries Limited

## Message:

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.

General Information	
Features	Food Contact Acceptable Low Gel Low Water Carryover
Uses	Fabrics Tape
Agency Ratings	FDA 21 CFR 177.1520 IS 10141-1982 IS 10146-1982

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,40 µm, Blown Film	30.0	MPa	
TD : Yield,40 µm, Blown Film	32.0	MPa	
MD : Break, 40 µm,Blown Film	30.0	MPa	
TD : Break, 40 µm,Blown Film	33.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 µm,Blown Film	800	%	
TD : Break, 40 µm,Blown Film	850	%	
Dart Drop Impact (40 µm, Blown Film)	60	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 40 µm, Blown Film	16	g	
TD : 40 µm, Blown Film	32	g	

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