RELENE® 1005FY20

Low Density Polyethylene

Reliance Industries Limited

Message:

1005FY20 is a film grade Low Density Polyethylene (LDPE) produced by high pressure autoclave process. It has been specially formulated for the production of films for liquid milk packaging on full automatic form, fill and seal type of machines. Film produced from this grade exhibits good impact resistance and heat sealing characteristics. The incorporation of necessary additives in the polymer ensures good surface slip and smooth flow of film on packaging machines. It can be pigmented by using suitable food contact approved masterbatches. Films up to 40 micron in thickness can be processed easily from this grade.

General Information	
Additive	Medium Slip
Features	Food Contact Acceptable Good Heat Seal Good Impact Resistance Medium Slip
Uses	Film Packaging
Agency Ratings	FDA 21 CFR 177.1520 IS 10141-1982 IS 10146-1982
Processing Method	Coextrusion Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D882
MD : Break, 40 µm,Blown Film	21.0	MPa	
TD : Break, 40 µm,Blown Film	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 µm,Blown Film	300	%	
TD : Break, 40 µm,Blown Film	530	%	
Dart Drop Impact (40 µm, Blown Film)	150	g	ASTM D1709A

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