

RELENE® 1003FA20

Low Density Polyethylene

Reliance Industries Limited

Message:

1003FA20 is a film grade Low Density Polyethylene (LDPE) produced by high pressure autoclave process. It has been specially designed for the production of film with good environmental stress crack resistance, mechanical and impact resistance. Film produced from this grade is ideally suitable for heavy duty applications.

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
Uses	Agricultural Applications		
	Film		
	Shrink Wrap		
	Wire & Cable Applications		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break, 40 µm,Blown Film	25.0	MPa	
TD : Break, 40 µm,Blown Film	22.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 µm,Blown Film	300	%	
TD : Break, 40 µm,Blown Film	550	%	
Dart Drop Impact (40 µm, Blown Film)	200	g	ASTM D1709A

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

