

RELENE® F56003

High Density Polyethylene

Reliance Industries Limited

Message:

F56003 is a High Density Polyethylene (HDPE) grade suitable for producing blown film with excellent drawdown and paper like feel. It is recommended for making carrier bags and co-extruded film structures.

General Information			
Features	Food Contact Acceptable		
	Good Drawdown		
Uses	Bags		
	Film		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Blown Film		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.956	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 : Yield,40 µm, Blown Film	35.0	MPa	
TD : Yield,40 µm, Blown Film	37.0	MPa	
MD : Break, 40 µm,Blown Film	55.0	MPa	
TD : Break, 40 µm,Blown Film	50.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 µm,Blown Film	700	%	
TD : Break, 40 µm,Blown Film	900	%	
Dart Drop Impact (40 µm, Blown Film)	64	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 40 µm, Blown Film	28	g	
TD : 40 µm, Blown Film	400	g	

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