

Eleme HFG00346

High Density Polyethylene
Eleme Petrochemical Company Ltd

Message:
Co-extruded structures, lamination, liners, grocery bags, etc.

General Information			
Uses	Bags		
	Laminates		
	Liners		
Processing Method		Coextrusion	
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.32	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Tensile Strength			
MD : Yield,25 µm	21.0	MPa	
TD : Yield,25 µm	23.0	MPa	ASTM D882
Tensile Elongation			
MD : Break, 25 µm	600	%	
TD : Break, 25 µm	850	%	ASTM D790
Flexural Modulus			
MD : 25 µm	590	MPa	
TD : 25 µm	680	MPa	ASTM D1922
Elmendorf Tear Strength			
MD : 25 µm	0.90	g	
TD : 25 µm	23	g	
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ASTM D1525 ¹
NOTE			
1.	Loading 1 (10 N)		

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