G-Lex F55HM0003

High Density (HMW) Polyethylene

Gas Authority of India Limited

Message:

G-Lex F55HM0003 is a high density (HMW) polyethylene material. This product is available in the Asia-Pacific region, and the processing method is: film extrusion.
The main features of the G-Lex F55HM0003 are:
Impact resistance
high molecular weight
High resistance to environmental stress fracture (ESCR)
Good processability
good weather resistance
Typical application areas include:
bag/lining
packing
Movie

General Information			
Features	High ESCR (Stress Cracking Resistance) High molecular weight Impact resistance, high Workability, good Low temperature impact resistance Good weather resistance		
Uses	Packaging Films Lining Bags		
Forms	Particle		
Processing Method	Film extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.954	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	9.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction			ASTM D1894
With itself-dynamic, blown film	0.21		ASTM D1894
With itself-static, blown film	0.22		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	15	µm	
Tensile Strength			ASTM D882
MD: Broken, 15 µm, blown film	49.0	MPa	ASTM D882

TD: Broken, 15 µm, blown film	41.2	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 15 µm, blown film	500	%	ASTM D882
TD: Broken, 15 µm, blown film	600	%	ASTM D882
Dart Drop Impact (15 µm, Blown Film)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 15 µm, blown film	45	g	ASTM D1922
TD: 15 µm, blown film	140	g	ASTM D1922

Additional Information

Data gathered from 15 µ blown film with a BUR of 4:1.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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