

Marlex® HHM TR-457

High Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® HHM TR-457 is a High Density Polyethylene material. It is available in Latin America or North America. Primary attribute of Marlex® HHM TR-457: High ESCR (Stress Crack Resistant).

Typical applications include:

Bags/Liners

Food Contact Applications

Plumbing/Piping/Potable Water

General Information			
Features	Good Melt Strength		
	High Density		
	High ESCR (Stress Crack Resist.)		
Uses	Corrugated Pipe		
	Liners		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.953	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
10% Igepal, F10	> 96.0	hr	ASTM D1693B
100% Igepal, F20	> 600	hr	ASTM D1693C
Notched Constant Ligament Stress (NCLS)	> 125	hr	ASTM F2136
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	26.0	MPa	ASTM D638
Tensile Elongation (Break)	700	%	ASTM D638
Flexural Modulus	965	MPa	ASTM D790

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Recommended distributors for this material

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

