

Marlex® HHM TR-418Q

Medium Density Polyethylene

Chevron Phillips Chemical Company LLC

Message:

Marlex® HHM TR-418Q is a Medium Density Polyethylene material. It is available in Latin America or North America for extrusion or pipe extrusion.

Important attributes of Marlex® HHM TR-418Q are:

Good UV Resistance

Good Weather Resistance

UV Stabilized

Typical applications include:

Plumbing/Piping/Potable Water

Industrial Applications

General Information			
Additive	UV Stabilizer		
Features	Good Crack Resistance		
	Good Strength		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Industrial Applications		
	Natural Gas Distribution		
	Piping		
Agency Ratings	ASTM D 3350 PE234373E		
	ASTM D 3350 PE234375E		
	ASTM D 4976-PE225		
	CSA B137.4		
	NSF Unspecified Rating		
	PPI PE-2708		
	PPI PE-80		
Forms	Pellets		
Processing Method	Extrusion		
	Pipe Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.939	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	19.0	MPa	ASTM D638

Tensile Elongation ² (Break, Compression Molded)	800	%	ASTM D638
Flexural Modulus - Tangent ³ (Compression Molded)	620	MPa	ASTM D790
Hydrostatic Design Basis			ASTM D2837
23°C	8.60	MPa	
60°C	6.90	MPa	
Minimum Required Strength	8.00	MPa	ISO 9080
PENT	> 1000	hr	ASTM F1473
Rapid Crack Propagation - Full Scale Test (0°C) ⁴	0.850	MPa	ISO 13478
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746A
NOTE			
1.	Type IV, 51 mm/min		
2.	Type IV, 51 mm/min		
3.	13 mm/min		
4.	6" and 8" SDR 11 pipes		

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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

