

Marlex® K606

High Density (HMW) Polyethylene
Chevron Phillips Chemical Company LLC

Message:

Marlex® K606 is a High Density (HMW) Polyethylene material. It is available in Latin America or North America for extrusion.
Important attributes of Marlex® K606 are:
Eco-Friendly/Green
Food Contact Acceptable
Good Processability
Good Stiffness
High Molecular Weight
Typical applications include:
Construction Applications
Food Contact Applications
Sheet

General Information			
Features	Durable		
	Food Contact Acceptable		
	Good Color Stability		
	Good Processing Stability		
	Good Stiffness		
	High Molecular Weight		
	Homopolymer		
	Recyclable Material		
Uses	Reinforced Panels		
	Sheet		
Agency Ratings	ASTM D 4976-PE235		
	FDA 21 CFR 177.1520(c) 2.2 2		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.964	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	15.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Compression Molded)	30.0	MPa	ASTM D638
Tensile Elongation ² (Break, Compression Molded)	300	%	ASTM D638

Flexural Modulus - Tangent ³ (Compression Molded)	1650	MPa	ASTM D790
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		

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Recommended distributors for this material

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