

Chevron Phillips Marlex® K606

High Density Polyethylene

Customer Benefits: This extrusion grade homopolymer has excellent process stability and outstanding stiffness.

Physical Properties	Metric	English	Comments
Density	0.964 g/cc	0.0348 lb/in³	ASTM D1505
ESCR 100% Igepal®	15 hour	15 hour	Condition A, F ₅₀ (100% Igepal CO-630), ASTM D1693
Melt Flow	0.65 g/10 min	0.65 g/10 min	Condition 190/2.16; ASTM D1238
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	2 in per min; ASTM D638 Type IV
Elongation at Break	>= 300 %	>= 300 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	1.654 GPa	239.9 ksi	ASTM D790
Processing Properties	Metric	English	Comments
Processing Temperature	193 - 232 °C	379 - 450 °F	Extrusion