

Chevron Phillips Marlex® 9515H

This gas phase, high molecular weight, hexane copolymer with antistatic agent is tailored for lightweight blow molded applications that:

- Require excellent stiffness to ESCR ratio

Physical Properties	Metric	English	Comments
Specific Gravity	0.957 g/cc	0.957 g/cc	ASTM D1505

ESCR 100% Igepal®

50 hour

50 hour

Condition B, F50; ASTM D1693

Melt Flow	0.34 g/10 min @Load 2.16 kg, Temperature 190 °C	0.34 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	2 in/min, Type IV bar; ASTM D638

Elongation at Break

800 %

800 %

2 in/min, Type IV bar;
ASTM D638

Flexural Modulus	1.41 GPa	205 ksi	Tangent; ASTM D790
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Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 °C	<= -103 °F	Type A clamp, Type I Specimen; ASTM D746

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	See notes for details.