PREMIER POLYMERS, LLC.

Premier HD12H49

High Density Polyethylene

HLMI: 12 **DENSITY: 0.949**

Premier HD12H49 is a high molecular weight, high density polyethylene copolymer. Suitable for blow molding applications requiring high ESCR, impact strength, and rigidity. Meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Resin Property	Typical Value	Units	Test Method
Melt Index,			
2.16 Kg at 190 °C	**< 0.1**	**g/10 min**	**ASTM D-1238**
21.6 Kg at 190 °C (HL)	**12**	**g/10 min**	**ASTM D-1238**
Density	**0.949**	**g/cm^3**	**ASTM D-4883**
Tensile Strength at Yield	**3700**	**Psi**	**ASTM D-638**
Elongation at Break	**> 600**	**%**	**ASTM D-638**
Flexural Modulus	**180,000**	**Psi**	**ASTM D-790**
ESCR,			
Condition A, 100% Igepal	**> 600**	**Hrs**	**ASTM D-1693**
Condition B, 10% Igepal	**> 600**	**Hrs**	**ASTM D-1693**

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