



**PREMIER**  
POLYMERS, LLC.

## Premier HD00354

### High Density Polyethylene

**MELT INDEX: 0.3**

**DENSITY: 0.954**

**Premier HD00354** is a high density polyethylene (Phillips process). Designed for blow molding applications requiring high stiffness and stress crack resistance. Also usable as a sheet extrusion and thermoforming resin. 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.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Index, 2.16 Kg at 190 °C	0.3	g/10 min	ASTM D-1238
Density	0.954	g/cc	ASTM D-1505
ESCR			ASTM D-1693
Condition A, (100% Igepal), F <sub>50</sub>	37	h	
Condition B, (10% Igepal), F <sub>50</sub>	35	h	
Tensile Yield Strength, 2" (50mm) per min.	4000	psi	ASTM D-638 Type IV
Ultimate Elongation, 2"(50mm) per min	> 550	%	ASTM D-638 Type IV
Flexural Modulus	200,000	psi	ASTM D-790

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