



PREMIER
POLYMERS, LLC.

Premier HD09054

High Density Polyethylene

MELT INDEX: 9.0

DENSITY: 0.954

Premier HD09054 is a high density polyethylene used for injection molding applications with excellent process-ability, an outstanding balance of stiffness, impact toughness, ESCR and good organoleptic and color properties. It is used in applications, such as food and industrial shipping pails, caps and closures, crates, bins and totes. This resin complies with U.S. Food and Drug Administration (FDA) regulation 21 CFR 177.1520*.

<u>Resin Property</u>	<u>Typical Value</u>	<u>Units</u>	<u>Test Method</u>
Melt Index, 2.16 Kg at 190 °C	9.0	g/10 min	ASTM D-1238
Density	0.954	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min pull speed.	4,000	Psi	ASTM D-638
Elongation at Break, 50 mm/min pull speed.	1,200	%	ASTM D-638
1% Flexural Secant Modulus	178,000	Psi	ASTM D-790
ESCR, (F ₅₀), 100% Igepal, Cond. B	< 10	Hrs	ASTM D-1693
Hardness, Shore D	66		ASTM D-2240
Vicat Softening Point	128	Deg. C	ASTM D-1525

Premier Polymers cannot anticipate or control the many different conditions under which this information and/or product may be used. It does not guarantee the applicability or the accuracy of this information or the suitability of its products in any given situation. User of the material should make their own tests to determine the suitability of each such product for their particular purposes. The data listed herein falls within the normal range of product properties but they should not be used to establish specification limits or used alone as the basis of design.

* For olefin polymers, para. (c) 3.2a, and may be used in the United States as an article or component of an article intended for use in contact with food, without temperature or food-type restrictions, subject to technical suitability. This resin is subject to the specific limitation that it may contact food only at temperatures of 212°F and below (21 CFR 176.170(c) Table 2, conditions of use B-H).

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