



PREMIER
POLYMERS, LLC.

Premier HD10064

High Density Polyethylene

MELT INDEX: 10.0

DENSITY: 0.964

Premier HD10064 is a homopolymer high density polyethylene used for injection molding applications. It has excellent process-ability, an outstanding balance of stiffness, impact toughness and low warpage for improved part quality and consistency. It is used in applications, such as crates, pallets, totes and pails. 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	10.0	g/10 min	ASTM D-1238
Density	0.964	g/cm ³	ASTM D-792
Tensile Strength at Yield, 50 mm/min pull speed.	4,500	Psi	ASTM D-638
Tensile Strength, 50 mm/min.	2,000	Psi	ASTM D-638
Elongation at Break, 50 mm/min pull speed.	100	%	ASTM D-638
1% Flexural Secant Modulus	246,000	Psi	ASTM D-790
Hardness, Shore D	68		ASTM D-2240
Vicat Softening Point	131	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. 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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