



Prime Engineering and Commodity Thermoplastic Resins

HD 6107 High Density Polyethylene

Description: HD 6107 is a homopolymer with outstanding stiffness with a good balance of processability and cold weather impact performance.

Applications: Crates / Cases / Hot Fill Packaging Pails

Features: High stiffness
Maximum impact strength and toughness
FDA 21 CFR 177.1520

Physical Properties	Typical Values	Test Method(s)
Density	0.961	D-792
Melt Flow Rate – g/10 min (190°C/2.16kg)	7.0	D-1238
Tensile Strength at Yield - psi	4,100	D-638
Flexural Modulus – psi	180,000	D-790
ESCR – hrs Condition A, F ₅₀ (100% Igepal)	<10	D-1693
Brittleness Temperature - °F	<-180	D-746
Hardness – Shore D	65	D-2240

Distributed Exclusively by: Plastic Solutions, Inc.
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The nominal properties reported herein are laboratory tested and are typical data for these materials. Plastic Solutions, Inc. does not guarantee suitability of these materials for specific applications. Each user of material should make their own tests to determine suitability of a material in a design or application.

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