



Prime Engineering and Commodity Thermoplastic Resins

HD 5117 High Density Polyethylene

Description: HD 5117 is a copolymer with good processability and excellent balance of ESCR, toughness and stiffness properties.

Applications: Caps & Closures / Housewares / Containers / Toys

Features: Excellent processability
Excellent ESCR properties
Exceptional warpage resistance

Physical Properties	Typical Values	Test Method(s)
Density	0.951	D-792
Melt Flow Rate – g/10 min (190°C/2.16kg)	17.0	D-1238
Tensile Strength at Yield - psi	3,400	D-638
Flexural Modulus – psi	145,000	D-790
ESCR – hrs Condition A, F ₅₀ (100% Igepal)	<10	D-1693
Brittleness Temperature - °F	<-180	D-746
Hardness – Shore D	62	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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