



Prime Engineering and Commodity Thermoplastic Resins

HD 5306 High Density Polyethylene

Description: HD 5306 is a copolymer with good processability and excellent balance of ESCR, toughness and stiffness properties.

Applications: Industrial Pails / Lawn & Garden accessories / Housewares

Features: Excellent processability
Good stiffness, ESCR and toughness
FDA 21 CFR 177.1520

Physical Properties	Typical Values	Test Method(s)
Density	0.953	D-792
Melt Flow Rate – g/10 min (190°C/2.16kg)	6.7	D-1238
Tensile Strength at Yield - psi	4,100	D-638
Flexural Modulus – psi	155,000	D-790
ESCR – hrs Condition A, F ₅₀ (100% Igepal)	<10	D-1693
Hardness – Shore D	63	D-2240

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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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