

# PrimaFlex® HD 5117

High Density Polyethylene

Plastic Solutions, Inc.

## Message:

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

General Information	
Features	Balanced Stiffness/Toughness Copolymer Good Processability Good Stiffness Good Toughness High ESCR (Stress Crack Resist.) Low Warpage
Uses	Caps Closures Containers Household Goods Toys

Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	17	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (Condition A, 100% Igepal, F50)	< 10.0	hr	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.4	MPa	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746

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