



Products and Application

HD-5502GA

HDPE for Blow Molding

HD-5502GA is a medium molecular weight copolymer grade with a broad molecular weight distribution. It offers excellent balance of environmental stress crack resistance and stiffness. This product also provides high melt strength and intrinsic toughness with good rigidity and moderate swell characteristics.

APPLICATIONS

Blow-molded containers up to 5 liters for packaging:

- Industrial Chemicals
- Household Chemicals
- Foodstuffs
- Personal Care Products

PHYSICAL PROPERTIES	TEST REFERENCE	UNIT	TYPICAL VALUE ¹
MFI, 190°C/ 2.16	ASTM D 1238-98	g/10min	0.23
MFI, 190=C/ 21.6	ASTM D 1238-98	g/10min	26.0
Density, non-annealed	ASTM D 1505-98	g/cm ³	0.953
MECHANICAL PROPERTIES			
Flexural Modulus	ISO 178-1975	MPa	1000
Tensile Strength at yield	ISO R527-1966: Type 2	MPa	30
Elongation at Break	ISO R527-1966: Type 2	%	>900
Charpy Impact Strength, Notched	ASTM D 256-97	kJ/m ²	9
ESCR, F50, 10% Igepal	ASMT D 1693-98: Condition B	hrs	25
THERMAL PROPERTIES			
Melting Point	ASTM D 2117	°C	130

¹Typical value should not be construed as specification limits. They are intended to serve as guide only.

Processing Guidelines

- Barrel temperature: 170-190°C
- Die temperature : 175-190°C
- Melt temperature: 170-200°C

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