

## Product Datasheet

### High Density Polyethylene

Copolymer Extrusion-Blow Molding

Application:

1. Bottles for liquids chemical, detergents, personal care and foodstuffs products
2. Copolymer Blow Molding Grade HDB 00355 is a generic, prime, high density polyethylene copolymer resin produced on Slurry-Loop technology and intended for use in a variety of applications such as HIC bottles, toys and profile extrusion. The polymer is cleared for use in articles or components of articles intended for contact with food under 21 CFR 177.1520 and meets the specifications in that paragraph. While the adjuvants used in this product are cleared for food contact under 21 CFR 170-189, producer makes no representation as to suitable use with to food type or conditions of use. Additional information for specific applications (such as country inventory clearance, certifications under the Consumer Product Safety Improvement Act, or “not intentionally added” statements for specific chemicals) will not be provided.

Control & Typical Properties			
Feature	Method	Units	Values
Melt Flow Rates (230 °C/2.16 kg)	D 1238	g/10 min	0,35
Density	D 792	s/cm <sup>3</sup>	0,955
Flexural Modulus - 1% Secant	D 790	Mpa	1250
Tensile Strength at Yield	D 638	Mpa	28
Tensile Elongation at Break	D 638	%	28
Tensile Impact Strength ISO at 23°C	ISO 8256	KJ/m <sup>2</sup>	98
Environmental Stress Cracking Resistance - notch 0.3 mm; 50oC; 10% Igepal CO 630	D 1693	H/F50	13
Deflection Temperature under Load at 0.455 Mpa	D 648	°C	75

Typical values which can vary within specification limits and are not to be construed as specifications.

<sup>2</sup> 2,16 kg/230 C.