

Producer: Ciplas / The United States (USA)

CIPLAS HB10049B

PRODUCT DESCRIPTION

Blow molding resin, high molecular weight HDPE copolymer for large-part blow molding application.

APPLICATIONS

Product used for large-part blow molding, trash cans, drums, fuel tanks, and corrugated drainage pipe application. pharmaceutical bottles and toys.

TYPICAL PROPERTIES

PROPERTY	TEST	UNIT	VALUE
High Load Melt Index (190°C/21.6 kg)	ASTM D1238	g/10 min	10.0
Density	ASTM D4883	g/cm ³	0.948 - 0.950
Tensile Strength at Yield	ASTM D638	psi	3,700 - 3,900
Vicat Softening Temperature	ASTM D1525	°C	120
Flexural Modulus	ASTM D790	psi	179,000-181,000
Tensile Impact Strength (23°C)	ASTM D1822	kJ/cm	> 120
ESCR, F ₅₀ (Condition A 100% Igepal)	ASTM D1693	hr	> 800