



HDPE BICSOL H03555C

High Density Polyethylene
EXTRUSION AND RIGID PACKAGING RESINS

Technical Data Sheet

HDPE Bicsol H03555C is high molecular weight, the ethylene-hexene copolymer is tailored for lightweight blow-molded containers that require:

- Excellent stiffness
- Exceptional processability

Durability

Processing Method: Extrusion Blow Molding

Application:

- Ice chests and coolers
- Household and industrial chemical containers
- Food packaging
- Pharmaceuticals

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	0.35	g/10 min	0.35	g/10 min	ASTM D1238
Density	0.955	g/cm ³	0.955	g/cm ³	ASTM D1505
Tensile Strength at Yield (23 °C)	4000	Psi	27	MPa	ASTM D638
Tensile Elongation at Break (23 °C)	600	%	600	%	ASTM D638
Environmental Stress Crack Resistance (100% Igepal®, Cond B)	24	hr	24	hr	ASTM D1693
Flexural Modulus, (1% Secant)	200000	Psi	1370	MPa	ASTM D790
Brittleness Temperature, Type A	<-103	°F	<-75	°C	ASTM D746

Notes: This is a generic prime product so that this product has wider specifications than standard prime grades.