

Technical Data Sheet

HDPE Bicsol H03555F is designed for applications requiring excellent stiffness and stress crack resistance properties. It may be used as a general-purpose blow molding resin or sheet extrusion thermoforming resin.

Processing Method: Blow Molding

Application:

- Pharmaceutical Packaging.
- Personal Care Products
- Bleach and Detergents
- Industrial Chemicals & Parts

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	28	MPa	ASTM D638
Ultimate Elongation	>600	%	>600	%	ASTM D638
Environmental Stress Crack Resistance (100% Igepal®, Cond B)	35	hr	35	hr	ASTM D1693
Flexural Modulus, (1% Secant)	200000	Psi	1378	MPa	ASTM D790
Brittleness Temperature, Type A	<-180	°F	<-118	°C	ASTM D746

Notes:

*The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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