

Technical Data Sheet

BICSOL H3353S is a multipurpose polymer designed for the high-speed production of blow-molded containers used to package household industrial chemicals, toiletries and cosmetics, health and medicinal aids, and food products. In addition, this product can be blow molded into other thin-walled parts and houseware items and can be extruded into profiles.

- Excellent stress crack resistance
- High impact strength
- Moderate swell
- High melt strength

Processing Method: Extrusion Blow Molding

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 21.6 kg)	33	g/10 min	33	g/10 min	ASTM D1238
Density (23 °C)	0.953	g/cm ³	0.953	g/cm ³	ASTM D1505
Tensile Strength at Break	4500	Psi	31.0	MPa	ASTM D638
Tensile Strength at Yield	3900	Psi	26.9	MPa	ASTM D638
Tensile Elongation at Break	1000	%	1000	%	ASTM D638
Tensile Elongation at Yield	7.0	%	7.0	%	ASTM D638
Environmental Stress Crack Resistance (100% Igepal®, Cond B)	80	hr	80	hr	ASTM D1693
Tensile Impact Strength	80.0	ft-lb/in	168	kJ/m	ASTM D1822
Durometer Hardness, (Shore D)	61		61		ASTM D2240
Flexural Modulus, (2% Secant)	145000	Psi	1000	MPa	ASTM D790B
Vicat Softening Temperature	264	°F	129	°C	ASTM D1525
Brittleness Temperature	<-105	°F	<-76.1	°C	ASTM D746
Deflection Temperature Under Load (66 psi, Unannealed)	163	°F	73	°C	ASTM D648

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