

Technical Data Sheet

BICSOL H03553 exhibits good stiffness and environmental stress crack resistance. Typical applications include bottles for bleach, detergents and household chemicals.

Processing Method: Extrusion Blow Molding

Application: Bottles for customer goods, bottle for industrial use

Market: Rigid Packaging

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	0.953	g/cm ³	0.953	g/cm ³	ASTM D1505
Tensile Strength at Yield (23 °C)	3900	Psi	26,9	MPa	ASTM D638
Tensile Elongation at Break (23 °C)	>500	%	>500	%	ASTM D638
Environmental Stress Crack Resistance (100% Igepal®, Cond B)	25	hr	25	hr	ASTM D1693
Tensile Impact Strength, (23 °C)	120	ft-lb/in	252	kJ/m	ASTM D1822
Shore Hardness, (Shore D, max)	66		66		ASTM D2240
Flexural Modulus, (1% Secant)	180000	Psi	1240	MPa	ASTM D790
Vicat Softening Temperature	262	°F	128	°C	ASTM D1525
Low Temperature Brittleness	<-105	°F	<-76	°C	ASTM D746
Deflection Temperature Under Load	165	°F	74	°C	ASTM D648

Notes:

*The specifications listed are based on representative samples and not the actual product shipped.

*Typical properties: these are not to be construed as specifications.