

Product Data Sheet: BG-HD 52B02UV

High Density Polyethylene	Injection Molding	. .
HDPE: BG-HD-52B02 (UV)	Desity: 0.952 - 0.956	MFI: 1.8 - 2.8
Feature: • Good impact strength • Excellent surface finish • Low warpage Plastic	Application: • Caps and closures for packaging • Bottle of Carbonates Water	Additive: • Calcium Strearate • Antioxidan 1010 • Antioxidan 168 • UV Stablizer

Resin Properties	Unit	Condition	Typical Value	Test Method
Melt Flow Rate (MFR)	g/10 min	190°C/2.16 kg	3.6-4.4	ASTM D1238
Density	g/cm ²	23°C	0.952-0.956	ASTM D1505
Physical Properties	unit	Condition	Typical value	Test method
F/E Ratio	-	-	89	ASTM D256
Melting point	°C	-	1090	ASTM D790
Tensile Streangth at Yield	MPa	-	16	ASTM D1693
Tensile Streangth at Break	MPa	-	28	ASTM D638
Elongation at Break	%	-	18	ASTM D638
IZOD	J/m	(23 C & 50% Humidity)	10	ASTM D638
Vicat Softening Temperature	°C	(10N, Temerature Rate 120 C/hr)	900	ASTM D638
Stress cracking resistance, F50	HR	50 0.50C/IGEPAL Ca630 solution 10%	134	ASTM D1525

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