

Product Data Sheet

BG-HD-52B18
High Density Polyethylene

Product Description

this data are typical values and shall not be construed as product specifications.

General Information

Status : Commercial: Active

Application : General Purpose, Thin Walled Foam Containers

Features: Comonomer Butene-1 (C4)
Easy Processing
High Rigidity
Easy Processing

Additives: Antioxidants
Lubricants
Acid Scavenger

Typical Properties	Typical Value	Unit	Test Method
Resin			
Melt Flow Rate (MFR) (190°C/ 2.16 kg)	15-21	g/10 min	ASTM D1238
Melt Flow Rate (MFR) (190°C/ 2.16 kg)	0.57	g/cm ²	ASTM D1895
Density (23°C)	0.951-0.953	g/cm ²	ASTM D1505
Physical			
F/E Ratio	<30	-	ASTM D1238
Yellowness Index	<4 (0.5)	%	ASTM D1925
Ti Content	≤5 (2)	PPM Wt	MTM 15636
Tensile Strength @ Yield	25-27	Mp	ASTM D638
Tensile Strength @ Break	>14	Mp	ASTM D638
Elongation @ Break	>150	%	ASTM D638
Vicat	130-134	°C	ASTM D1525
Flexural Modulus	1300-1400	MP	ASTM D790
Izod Impact	36	J/Min	ASTM D256