Braskem PE SGF4960

High Density Polyethylene

Braskem

Message:

Description:
SGF4960 is a homopolymer high-density polyethylene, developed for the blow-molding segment with high density and stiffness combined with high impact resistance.
The minimum biobased content of this grade is 96%, determined according to ASTM D6866.
Application:
Bottles for food applications such as dairy products and beverages; Rigid containers for non-food applications such as cosmetics and lubricant oils; Caps & closures molded by compression; Rigid containers for pharmaceutical applications (complies with USP 33).
Process:
Blow Molding.

General Information			
Features	Rigidity, high High density Homopolymer Impact resistance, high Updatable resources Compliance of Food Exposure		
Uses	Shield Cosmetics Bottle Container Oil/Gas Supplies Shell Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.962	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.34	g/10 min	ASTM D1238
190°C/21.6 kg	28	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 100% Igepal, F50)	25.0	hr	ASTM D1693
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638

Yield	30.0	MPa	ASTM D638
Fracture	35.0	MPa	ASTM D638
Flexural Modulus - 1% Secant	1400	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	230	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	79.0	°C	ASTM D648
Vicat Softening Temperature	129	°C	ASTM D1525 [1]
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Biobased Content	> 96	%	ASTM D6866
NOTE			
1.	压 力1 (10N)		

Recommended distributors for this material

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WECHAT