

Braskem PE HS5608

High Density Polyethylene

Braskem

Message:

HS5608 is a high-density polyethylene with high molecular weight, copolymer. Offers good processability, outstanding stress cracking resistance (ESCR), excellent stiffness and impact strength. Suitable for blow molding of large volumes

Application:
Typical blow molded applications include containers and drums from 20 to 200 liters, for chemical, agrochemical and food package.

Process:
Large Parts Blow Molding.

General Information			
Features	Super rigidity		
	High ESCR (Stress Cracking Resistance)		
	High molecular weight		
	High density		
	Copolymer		
	Impact resistance, good		
	Compliance of Food Exposure		
Uses	Non-specific food applications		
	Drum		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow molding		
	Compression molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.955	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/21.6 kg	8.5	g/10 min	ASTM D1238
190°C/5.0 kg	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance ¹			ASTM D1693
	2.00mm, 10% Igepal, molded, F50	200	hr
	2.00mm, 100% Igepal, molded, F50	> 1000	hr
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	35.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-40°C)	200	J/m	ASTM D6110

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	73.0	°C	ASTM D648
Injection instructions			
Recommended Blow Molding Conditions: Feeding Zone: 180°C to 190°C Barrel: 190°to 200°C Die: 210°C			
NOTE			
1.	0.3mm notched-plaques		

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