

Braskem PE HS5502XP

High Density Polyethylene

Braskem

Message:

HS5502XP is a High Density Polyethylene, copolymer, that offers a high stress cracking resistance (ESCR) maintaining a good balance between mechanical properties and processability.

Applications:

Bottles for cleaning products, food products and household appliances; Jerrycans for industrial propose.

Process:

Blow Molding.

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Copolymer		
	Workability, good		
Uses	Electrical appliances		
	Industrial application		
	Bottle		
	Oil drum		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow 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/2.16 kg	0.35	g/10 min	ASTM D1238
190°C/21.6 kg	30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693
50°C, 2.00mm, 10% Igepal, molded, F50	50.0	hr	ASTM D1693
50°C, 2.00mm, 100% Igepal, molded, F50	120	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	30.0	MPa	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (Compression Molded)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	75.0	°C	ASTM D648

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

