

HK HIPS SR600

High Impact Polystyrene
Hong Kong Petrochemical Co. Ltd.

Message:

HK HIPS SR600 is a High Impact Polystyrene material. It is available in Asia Pacific.

Important attributes of HK HIPS SR600 are:

Flame Rated

Food Contact Acceptable

Typical application of HK HIPS SR600: Food Contact Applications

General Information			
UL YellowCard	E192448-227496		
Features	Food Contact Acceptable		
Agency Ratings	FDA Food Contact, Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Apparent Density	0.65	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	72		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	2050	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20 mm	24.0	MPa	
3.20 mm	29.0	MPa	
Tensile Elongation ³ (Break, 3.20 mm)	65	%	ASTM D638
Flexural Modulus (3.20 mm)	1900	MPa	ASTM D790
Flexural Strength (3.20 mm)	48.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	90.0	°C	ASTM D648
Vicat Softening Temperature			
--	103	°C	ASTM D1525 ⁴
--	96.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Type I		
2.	Type I		
3.	Type I		

4.	Rate A (50°C/h), Loading 1 (10 N)
5.	Rate A (50°C/h), Loading 2 (50 N)

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

