

HK HIPS SRG100

High Impact Polystyrene
Hong Kong Petrochemical Co. Ltd.

Message:

HK HIPS SRG100 is a High Impact Polystyrene material. It is available in Asia Pacific.

Important attributes of HK HIPS SRG100 are:

Flame Rated

High Gloss

General Information			
UL YellowCard	E192448-647127		
Features	High Gloss		
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)	3.5	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)	2000	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20 mm	30.0	MPa	
3.20 mm	23.0	MPa	
Tensile Elongation ³ (Break, 3.20 mm)	58	%	ASTM D638
Flexural Modulus (3.20 mm)	2100	MPa	ASTM D790
Flexural Strength (3.20 mm)	52.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	130	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
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	98		ASTM D523
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)

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