

HK HIPS PDR751

High Impact Polystyrene
Hong Kong Petrochemical Co. Ltd.

Message:

HK HIPS PDR751 is a High Impact Polystyrene material. It is available in Asia Pacific.

Important attributes of HK HIPS PDR751 are:

Flame Rated

Food Contact Acceptable

Typical application of HK HIPS PDR751: Food Contact Applications

General Information			
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)	3.5	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)	2300	MPa	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 3.20 mm	24.0	MPa	
3.20 mm	26.0	MPa	
Tensile Elongation ³ (Break, 3.20 mm)	65	%	ASTM D638
Flexural Modulus (3.20 mm)	2100	MPa	ASTM D790
Flexural Strength (3.20 mm)	43.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	89.0	°C	ASTM D648
Vicat Softening Temperature			
--	102	°C	ASTM D1525 ⁴
--	95.0	°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)		

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