

HK GPPS N1841

General Purpose Polystyrene
Hong Kong Petrochemical Co. Ltd.

Message:

HK GPPS N1841 is a General Purpose Polystyrene material. It is available in Asia Pacific.
Important attributes of HK GPPS N1841 are:
Flame Rated
Food Contact Acceptable
Typical application of HK GPPS N1841: Food Contact Applications

General Information			
UL YellowCard	E192448-102282113		
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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	80		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ¹ (3.20 mm)	3250	MPa	ASTM D638
Tensile Strength ² (3.20 mm)	45.0	MPa	ASTM D638
Tensile Elongation ³ (Break, 3.20 mm)	1.8	%	ASTM D638
Flexural Modulus (3.20 mm)	3200	MPa	ASTM D790
Flexural Strength (3.20 mm)	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	13	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	84.0	°C	ASTM D648
Vicat Softening Temperature			
--	95.0	°C	ASTM D1525 ⁴
--	90.0	°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)		

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