

BC PS MF-303

High Impact Polystyrene

BC Chemical Co., Ltd.

Message:

BC PS MF-303 is a high impact polystyrene product. It is available in the Asia-Pacific region. The main characteristics are: flame retardant/rated flame.

General Information			
UL File Number	E74696		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 23°C, 3.18 mm)	28.4	MPa	ASTM D638
Tensile Elongation ² (Break, 23°C, 3.18 mm)	40	%	ASTM D638
Flexural Modulus ³ (23°C, 3.18 mm)	2040	MPa	ASTM D790
Flexural Strength ⁴ (23°C, 3.18 mm)	47.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
23°C, 3.18 mm	110	J/m	ASTM D256A
23°C, 6.35 mm	93	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	83.9	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.59 mm	HB		UL 94
3.18 mm	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	45		ASTM D523
Additional Information			
Volatile Content, GC Method: <1000 ppm			
NOTE			
1.	Type 1, 50mm/min		
2.	Type 1, 50mm/min		
3.	15 mm/min		

4.	15 mm/min
5.	压力1 (10N)

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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

