

DENKA ABS QF

Acrylonitrile Butadiene Styrene

Denka Company Limited

Message:

DENKA ABS QF is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

High Flow

General Information			
UL YellowCard	E49895-241511		
Features	High Flow		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04	g/cm ³	ASTM D792
23°C	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	44	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.40 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	113		ASTM D785
R-Scale	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	43.0	MPa	ASTM D638
--	2400	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	45.0	MPa	
Break	34.0	MPa	
Nominal Tensile Strain at Break	28	%	ISO 527-2/50
Flexural Modulus			
-- ²	2400	MPa	ASTM D790
-- ³	2350	MPa	ISO 178
Flexural Strength			
-- ⁴	70.0	MPa	ASTM D790
-- ⁵	72.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	19	kJ/m ²	ISO 179
Notched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			
1.8 MPa, Unannealed ⁶	86.0	°C	ASTM D648
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	99.0	°C	ASTM D1525 ⁷
--	97.0	°C	ISO 306/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity ⁸	> 1.0E+16	ohms	JIS K6911
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	170 to 190	°C	
Middle Temperature	180 to 215	°C	
Front Temperature	190 to 230	°C	
Nozzle Temperature	190 to 225	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	0.490 to 0.981	MPa	
Screw Speed	80 to 120	rpm	
NOTE			
1.	5.0 mm/min		
2.	15 mm/min		
3.	2.0 mm/min		
4.	15 mm/min		
5.	2.0 mm/min		
6.	Edgewise		
7.	Loading 2 (50 N)		
8.	23°C, 50% RH		

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



WECHAT