

DENKA ABS SR-Q

Acrylonitrile Butadiene Styrene

Denka Company Limited

Message:

DENKA ABS SR-Q is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

Characteristics include:

Flame Rated

Chemical Resistant

General Information			
UL YellowCard	E49895-101154573	E49895-241520	
Features	Good Chemical Resistance		
	Good Flow		
UL File Number	E49895		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.05	g/cm ³	ASTM D792
23°C	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	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	110		ASTM D785
R-Scale	106		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	45.0	MPa	ASTM D638
--	2450	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	48.0	MPa	
Break	36.0	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	72.0	MPa	ASTM D790
-- ⁵	74.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179
Notched Izod Impact	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed ⁶	88.0	°C	ASTM D648
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	98.0	°C	ASTM D1525 ⁷
--	100	°C	ISO 306/B
Flammability	Nominal Value	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)		

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