

MALECCA K-600

Acrylonitrile Butadiene Styrene

Denka Company Limited

Message:

MALECCA K-600 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America.

General Information			
UL File Number	E49895		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.07	g/cm ³	ASTM D792
23°C	1.07	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (265°C/10.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.80 to 1.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			
R-Scale	117		ASTM D785
R-Scale	111		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			
-- ¹	39.0	MPa	ASTM D638
--	2050	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	37.0	MPa	
Break	37.0	MPa	
Nominal Tensile Strain at Break	36	%	ISO 527-2/50
Flexural Modulus			
-- ²	1950	MPa	ASTM D790
-- ³	2050	MPa	ISO 178
Flexural Strength			
-- ⁴	64.0	MPa	ASTM D790
-- ⁵	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	kJ/m ²	ISO 179
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed ⁶	122	°C	ASTM D648

1.8 MPa, Unannealed	112	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	134	°C	ASTM D1525 ⁷
--	133	°C	ISO 306/B
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	220 to 240	°C	
Middle Temperature	230 to 260	°C	
Front Temperature	240 to 270	°C	
Nozzle Temperature	240 to 265	°C	
Mold Temperature	50.0 to 80.0	°C	
Back Pressure	0.490 to 0.981	MPa	
Screw Speed	50 to 80	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

