

KumhoSunny PMMA/ABS 722

Acrylonitrile Butadiene Styrene + Acrylic (PMMA)

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

ABS722 is injection grade PMMA/ABS resin.ABS722 has high gloss, high impact, anti-scratch.ABS722 is mainly used in complex part, thin layer part ,small appliance as telephone, sound,etc.

General Information			
Features	High Gloss		
	High Impact Resistance		
	Scratch Resistant		
Uses	Appliance Components		
	Appliances		
UL File Number	E254819		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Pencil Hardness - 500g	F		ASTM D3363
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	52.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	70.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	86.0	°C	ASTM D648
Vicat Softening Temperature	96.0	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	> 1.0E+15	ohms · cm	IEC 60093
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	

Drying Time	3.0 to 4.0	hr
Rear Temperature	190 to 210	°C
Middle Temperature	200 to 220	°C
Front Temperature	220 to 230	°C
Nozzle Temperature	220 to 230	°C
Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 80.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	30 to 60	rpm

NOTE

1. Rate B (120°C/h)

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