

Color-in™ MA301-M

Polymethyl Methacrylate Acrylic

Shanghai KumhoSunny Plastics Co., Ltd.

Message:

MA301-M is extrusion a molding aesthetic resin.MA301-M is coextrusion product.MA301-M can extrusion with PVC,ASA.MA301-M has many properties:(1)a sense of metal and prepared flashing effect(2)low product scale(3)super weather resistance(4)chem-resistance(5)excellent high temperature and humidity resistance.MA301-M is mainly used in appearance items of household appliance,etc.

General Information			
Features	Good Chemical Resistance		
	Good Weather Resistance		
	High Heat Resistance		
	Humidity Resistant		
	Pleasing Surface Appearance		
Uses	Appliances		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Pencil Hardness - 500g	H		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	52.0	MPa	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	170 to 180	°C	
Middle Temperature	185 to 190	°C	
Front Temperature	190 to 195	°C	
Nozzle Temperature	185 to 190	°C	
Processing (Melt) Temp	185 to 195	°C	
Mold Temperature	60.0 to 80.0	°C	
Back Pressure	1.00 to 5.00	MPa	
Screw Speed	30 to 50	rpm	
NOTE			

1. Rate B (120°C/h)

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