

Vikalloy IM62

Acrylic (PMMA) + PVC

Viking Polymers, LLC

Message:

Vikalloy IM62 is an acrylic acid (PMMA) PVC (PMMA PVC) material. This product is available in North America, Europe or Asia Pacific region. The processing method is injection molding.

The main features of Vikalloy IM62 are:

- flame retardant/rated flame
- Flame Retardant
- Impact resistance
- good weather resistance
- chemical resistance

Typical application areas include:

- Electrical/electronic applications
- Wire and cable
- electrical appliances
- Tools
- medical/health care

General Information			
Features	Impact resistance, good		
	Good chemical resistance		
	Good weather resistance		
	Flame retardancy		
Uses	Computer components		
	Electrical/Electronic Applications		
	Electrical appliances		
	Power/other tools		
	Communication Equipment		
	Medical/nursing supplies		
Agency Ratings	UL 94		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	34	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 - 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2250	MPa	ASTM D790
Flexural Strength	64.8	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	960	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, not annealed	70.6	°C	ASTM D648
1.8 MPa, annealed	75.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
	V-0		

Flame Rating (2.03 mm)	5VA	UL 94
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Injection	Nominal Value	Unit
Drying Temperature	54.4 - 71.1	°C
Drying Time	4.0	hr
Suggested Shot Size	75	%
Middle Temperature	157 - 196	°C
Front Temperature	157 - 196	°C
Mold Temperature	32.2 - 60.0	°C
Back Pressure	0.689 - 2.76	MPa
Clamp Tonnage	4.1 - 4.8	kN/cm ²
Screw Compression Ratio	2.0:1.0 to 2.6:1.0	

Injection instructions

Drying is typically not necessary, however if the material is old or has been stored in moist conditions follow the drying conditions listed.

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