

Vikalloy P40

Acrylic (PMMA) + PVC

Viking Polymers, LLC

Message:

Vikalloy P40 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: profile extrusion molding.

The main features of Vikalloy P40 are:

Flame Retardant

Impact resistance

chemical resistance

Heat resistance

General Information			
Features	Impact resistance, good		
	Good chemical resistance		
	Heat resistance, high		
	Flame retardancy		
Uses	Profile		
Appearance	Available colors		
Forms	Powder		
	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2520	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, not annealed	75.6	°C	ASTM D648
1.8 MPa, annealed	81.1	°C	ASTM D648
Additional Information			
Notched Izod Impact Resistance, ASTM D256, 73°F: 7 - 9 ft*lb/in			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	166 - 171	°C	
Cylinder Zone 2 Temp.	166 - 171	°C	

Cylinder Zone 3 Temp.	166 - 171	°C
Cylinder Zone 4 Temp.	166 - 171	°C
Cylinder Zone 5 Temp.	166 - 171	°C
Adapter Temperature	171 - 177	°C
Die Temperature	171 - 177	°C

Extrusion instructions

Melt temperatures over 400°F should be avoided. Screw RPM's of 23 - 33 are typical.

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