

Vikalloy P51

Acrylic (PMMA) + PVC

Viking Polymers, LLC

Message:

Vikalloy P51 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 characteristics of Vikalloy P51 are: chemical resistance. the typical application field of Vikalloy P51 is: architectural application

General Information			
Features	Cleanable		
	Good chemical resistance		
Uses	Building materials		
	Profile		
Appearance	Available colors		
	Natural color		
Forms	Powder		
	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	53.1	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Reverse Notch Izod Impact (23°C)	1000	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.1	°C	ASTM D648
Additional Information			
Specific Gravity, ASTM D792, 1.35 - 1.45Notched Izod Impact Resistance, ASTM D256, 73°F: 2 - 4 ft*lb/inReverse Notched Izod Impact Resistance, ASTM D256, 73°F: 18 - 20 ft*lb/in			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 - 182	°C	
Cylinder Zone 2 Temp.	160 - 182	°C	

Cylinder Zone 3 Temp.	160 - 182	°C
Cylinder Zone 4 Temp.	160 - 182	°C
Cylinder Zone 5 Temp.	160 - 182	°C
Adapter Temperature	171 - 177	°C
Die Temperature	171 - 177	°C

Extrusion instructions

Screw RPM's of 23 - 33 are typical.

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Recommended distributors for this material

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