

Vikalloy P45

Chlorinated Polyvinyl Chloride

Viking Polymers, LLC

Message:

Vikalloy P45 is a chlorinated polyvinyl chloride 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 P45 are:

- Impact resistance
- chemical resistance
- Heat resistance

General Information			
Features	Impact resistance, good		
	Good chemical resistance		
	Heat resistance, high		
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	53.1	MPa	ASTM D638
Tensile Elongation (Break)	85	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	68.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, not annealed	85.0	°C	ASTM D648
1.8 MPa, annealed	90.6	°C	ASTM D648
Additional Information			
Notched Izod Impact Resistance, ASTM D256, 73°F: 3 - 5 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.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

