

K-Bin Rigid PVC KB-5019

Polyvinyl Chloride

K-Bin, Inc.

Message:

Interior rigid PVC general purpose compound with excellent toughness. Good dimensional stability, can be used in thin wall and thick wall applications.

General Information			
Features	Good dimensional stability		
	Good toughness		
	General		
Uses	Thin wall parts		
	Thick wall fittings (parts)		
Agency Ratings	NSF 51		
	UL 94		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	76		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2490	MPa	ASTM D638
Tensile Strength (Yield)	46.9	MPa	ASTM D638
Flexural Modulus	2670	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	1500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating

5V

UL 94

Additional Information

Gardner Impact, 14lb impact weight on profile of 0.125", ASTM D-4226, Method "A": >4.41 (in-lbs/mil)Gardner Impact, 14lb impact weight on profile of 0.125", ASTM D-4226, Method "B": >4.41 (in-lbs/mil)Specific Gravity, ASTM D792, colors: 1.38

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	168	°C
Cylinder Zone 2 Temp.	174	°C
Cylinder Zone 3 Temp.	177	°C
Cylinder Zone 4 Temp.	179	°C
Die Temperature	182	°C

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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

