

K-Bin Rigid PVC KB-5010

Polyvinyl Chloride

K-Bin, Inc.

Message:

Interior rigid PVC compound with excellent sizing and outstanding toughness. Extremely versatile with good colorability.

General Information			
Features	Good color stability		
	Good toughness		
Agency Ratings	NSF 51		
	UL 94		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2700	MPa	ASTM D638
Tensile Strength (Yield)	45.5	MPa	ASTM D638
Flexural Modulus	2700	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	1200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.0	°C	ASTM D648
Additional Information			
Gardner Impact, 14lb impact weight on profile of 0.125", ASTM D-4226, Method "A": >4.55 (in-lbs/mil)Gardner Impact, 14lb impact weight on profile of 0.125", ASTM D-4226, Method "B": >4.66 (in-lbs/mil)			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	171	°C	
Cylinder Zone 2 Temp.	177	°C	
Cylinder Zone 3 Temp.	179	°C	
Cylinder Zone 4 Temp.	182	°C	
Die Temperature	185	°C	

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Recommended distributors for this material

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