

# Keysor PVC KC1252-004

Polyvinyl Chloride  
Keysor-Century Corporation

Message:

Keysor PVC KC1252-004 is a Polyvinyl Chloride product. It can be processed by extrusion blow molding and is available in North America. Typical application: Food Contact Applications.  
Characteristics include:  
Clarity  
Food Contact Acceptable  
High Gloss  
High Strength  
Impact Resistant

General Information			
Features	Food Contact Acceptable		
	Good Flow		
	Good Impact Resistance		
	High Clarity		
	High Gloss		
	High Strength		
	Low Gel		
	Low to No Odor		
Agency Ratings	FDA 21 CFR 178.2650		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	45.1	MPa	
Break	33.1	MPa	
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength (Yield)	62.5	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)	66.1	°C	ASTM D648

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