

Alpha PVC 2212C2B/H-118 CLEAR 0003

Rigid Polyvinyl Chloride

AlphaGary

Message:

2212C2B/H-118 CLEAR 0003 is a non-toxic, high flow, rigid PVC compound primarily designed for injection molding of biomedical devices. This compound provides excellent thermal stability for easy processing into medical devices such as fistulas, luers, clamps, hubs, connectors, drip chambers, etc.

General Information			
Features	Workability, good		
	High liquidity		
	Thermal stability, good		
	Non-toxic		
Uses	Connector		
	Medical/nursing supplies		
RoHS Compliance	Contact manufacturer		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29 - 1.33	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	23	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec, 6.35 mm)	74 - 80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ASTM D638
Tensile Strength (1.91 mm)	45.9	MPa	ASTM D638
Flexural Modulus (3.18 mm)	2420	MPa	ASTM D790
Flexural Strength (Yield)	69.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	660	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	63.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
3.00 mm	V-0		UL 94

Injection	Nominal Value	Unit
Rear Temperature	149	°C
Middle Temperature	160	°C
Front Temperature	166	°C
Nozzle Temperature	177	°C
Processing (Melt) Temp	177 - 182	°C

Injection instructions

Zone 4: 340°F

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Recommended distributors for this material

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