

Generic PVC Alloy

Polyvinyl Chloride Alloy

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic PVC Alloy
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15 - 1.49	g/cm ³	ASTM D792
Spiral Flow	58.4 - 87.0	cm	
Molding Shrinkage - Flow (23°C)	0.35 - 0.36	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	60 - 80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1890 - 2420	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	29.6 - 46.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	15 - 380	%	ASTM D638
Flexural Modulus (23°C)	1890 - 2840	MPa	ASTM D790
Flexural Strength (23°C)	48.3 - 93.1	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tear Strength (23°C)	8.00 - 71.9	kN/m	ASTM D624
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27 - 960	J/m	ASTM D256
Drop Impact Resistance (23°C)	50.4 - 178	J/cm	ASTM D4226
Aging	Nominal Value	Unit	Test Method
Change in Volume (23°C)	-26 - -0.30	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	76.0 - 90.6	°C	ASTM D648
0.45 MPa, annealed	83.9 - 92.4	°C	ASTM D648
1.8 MPa, not annealed	72.4 - 85.1	°C	ASTM D648
1.8 MPa, annealed	73.0 - 88.0	°C	ASTM D648
CLTE - Flow	3.0E-5 - 1.4E-4	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	
Processing (Melt) Temp	204 - 207	°C	
Injection instructions			
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Extrusion	Nominal Value	Unit	
Melt Temperature	184 - 199	°C	

Extrusion instructions

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