

Generic PVC Elastomer

Polyvinyl Chloride Elastomer

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.09 - 1.31	g/cm³	ASTM D792
23°C	1.17 - 1.32	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			
23°C	35 - 80		ASTM D2240
23°C	54 - 90		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Fracture, 23°C	5.71 - 19.7	MPa	ASTM D638
23°C	2.00 - 14.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	250 - 400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 23°C)	2.81 - 7.65	MPa	ISO 37
Tensile Strength			
Yield, 23°C	6.71 - 15.1	MPa	ASTM D412
Fracture, 23°C	6.15 - 26.0	MPa	ISO 37
Tensile Elongation			
Fracture, 23°C	280 - 440	%	ASTM D412
Fracture, 23°C	200 - 460	%	ISO 37
Compression Set	23 - 55	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	79.1 - 105	°C	ASTM D794
Brittleness Temperature	-56.6 - -38.5	°C	ASTM D746
Electrical	Nominal Value		Test Method
Dielectric Constant (23°C)	3.34 - 6.21		ASTM D150
Dissipation Factor (23°C)	0.056 - 0.14		ASTM D150
Injection	Nominal Value	Unit	
Mold Temperature	37.4 - 37.8	°C	
Injection instructions			

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