

Generic TPSiV

Thermoplastic Silicone Vulcanizate

Generic

Message:

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

General Information			
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.10 - 1.19	g/cm ³	ISO 1183
Molding Shrinkage (23°C)	2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	62 - 83		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus (23°C)	14.0 - 64.4	MPa	ISO 178
Flexural Stress (23°C)	0.740 - 4.70	MPa	ISO 178
Taber Abrasion Resistance (23°C)	61.4 - 64.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 23°C)	1.50 - 7.80	MPa	ISO 37
Tensile Stress (Yield, 23°C)	4.40 - 15.4	MPa	ISO 37
Tensile Elongation (Break, 23°C)	470 - 610	%	ISO 37
Tear Strength (23°C)	20 - 63	kN/m	ISO 34-1
Compression Set (23°C)	9.0 - 33	%	ISO 815
Injection	Nominal Value	Unit	
Drying Temperature	72.5 - 90.0	°C	
Drying Time	3.0 - 4.5	hr	
Rear Temperature	165 - 175	°C	
Middle Temperature	169 - 190	°C	
Front Temperature	174 - 189	°C	
Nozzle Temperature	190 - 205	°C	
Processing (Melt) Temp	190 - 215	°C	
Mold Temperature	25.0 - 30.0	°C	
Injection instructions			

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