

# TPSiV™ 3111-60A

Thermoplastic Silicone Vulcanizate  
Multibase, A Dow Corning Company

Message:

TPSiV™ 3111-60A is a Thermoplastic Silicone Vulcanizate (TPSiV) product. It can be processed by injection molding and is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Applications of TPSiV™ 3111-60A include electrical/electronic applications, consumer goods, engineering/industrial parts, sealing applications and sporting goods.

Characteristics include:

- Good Adhesion
- Scratch Resistant
- Wear Resistant

General Information			
Features	Bondability		
	Good Abrasion Resistance		
	Hydrolysis Resistant		
	Scratch Resistant		
	Soft		
Uses	Communication Applications		
	Consumer Applications		
	Electrical/Electronic Applications		
	Overmolding		
	Seals		
	Sporting Goods		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Molding Shrinkage	1.0 to 3.0	%	Multiple Standards
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	22.1	MPa	ISO 178
Flexural Stress	1.20	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	3.20	MPa	ISO 37
Tensile Stress (Yield)	5.70	MPa	ISO 37
Tensile Elongation (Break)	480	%	ISO 37
Tear Strength	25	kN/m	ISO 34-1
Compression Set			ISO 815

23°C, 22 hr	13	%
70°C, 22 hr	72	%
Injection	Nominal Value	Unit
Drying Temperature	65.0 to 80.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	165 to 175	°C
Middle Temperature	170 to 180	°C
Front Temperature	180 to 195	°C
Nozzle Temperature	185 to 200	°C
Processing (Melt) Temp	195	°C
Mold Temperature	20.0 to 40.0	°C
Injection Rate	Moderate-Fast	

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#### Recommended distributors for this material

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