

TPSiV™ 3040-70A BLK 25349

Thermoplastic Silicone Vulcanizate
Multibase, A Dow Corning Company

Message:

TPSiV™ 3040-70A BLK 25349 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.
Characteristics include:
Chemical Resistant
Wear Resistant

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Soft		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Spiral Flow ¹	17.0	cm	Internal Method
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow ² (100% Strain)	3.30	MPa	ISO 37
Tensile Stress - Across Flow ³ (Break)	13.0	MPa	ISO 37
Tensile Elongation - Across Flow ⁴ (Break)	590	%	ISO 37
Tear Strength - Across Flow	49	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	80.0 to 100	°C	
Drying Time	3.0 to 6.0	hr	
Suggested Max Moisture	< 0.030	%	
Rear Temperature	170 to 180	°C	
Middle Temperature	185 to 195	°C	
Front Temperature	195 to 200	°C	
Nozzle Temperature	200 to 210	°C	
Mold Temperature	10.0 to 40.0	°C	
Back Pressure	0.700 to 1.40	MPa	
Screw Speed	100 to 150	rpm	
Vent Depth	0.013 to 0.025	mm	
NOTE			

1.	Condition B
2.	Type 1, 500 mm/min
3.	Type 1, 500 mm/min
4.	Type 1, 500 mm/min

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Recommended distributors for this material

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