

Silopren® HV 6/600

Silicone

Momentive Performance Materials Inc.

Message:

Silopren HV 6/600 is a heat cure silicone rubber base compound, which is suitable for press-, injection-moulding and extrusion. Silopren HV 6/600 is developed especially for the manufacture of articles with good resistance to the exposure of steam. It is suitable in particular for the production of steam pot gaskets, gaskets in autoclaves etc.

Key Features and Benefits

Increased steam resistance

Low compression set

Good rebound resilience

Silopren HV 6/600, the ingredients used to formulate this product are compliant with 21 CFR 177.2600 "Rubber articles intended for repeated use" and BfR recommendation XV "Silicone".

General Information			
Features	Heat Cure		
	Low Compression Set		
	Steam Resistant		
Uses	Gaskets		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	FDA 21 CFR 177.2600		
Processing Method	Extrusion		
	Injection Molding		
	Press Molding		
Physical	Nominal Value	Unit	Test Method
	23		
Mooney Viscosity (25°C)	25	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	7.50	MPa	DIN 53504
Tensile Elongation (Break)	300	%	DIN 53504
Tear Strength ¹	10.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	8.0	%	DIN 53517
Rebound Resilience	65	%	DIN 53512
Vulcanization (170°C)	10.0	min	
Thermoset	Nominal Value	Unit	Test Method

Shelf Life	52	wk	
Post Cure Time (200°C)	6.0	hr	
Uncured Properties	Nominal Value	Unit	Test Method
Color	Translucent		
Density	1.11	g/cm ³	DIN 53479
NOTE			
1.	Die B		

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