

Silplus® 50 MP

Silicone Rubber, HTV

Momentive Performance Materials Inc.

Message:

Silplus 50 MP is a heat cured elastomer with outstanding processing capability. Silplus 50 MP heat cured elastomer when properly compounded and catalyzed may be considered for use in a wide variety of applications such as extrusion, molding and calendaring.

Key Features and Benefits

- compounding simplicity
- good extrudability
- high mechanical properties
- good green strength
- easily blendable
- versatile

Potential Applications

Because of its outstanding properties, Silplus 50 MP heat cured elastomer is an excellent candidate to consider for use in most types of molding, extrusion and calendaring applications.

General Information			
Features	Good Green Strength		
	Heat vulcanization		
	Workability, good		
Agency Ratings	BfR food contact, not rated		
	FDA 21 CFR 177.2600		
	ISO 10993		
	USP Class VI		
Appearance	Translucent		
Processing Method	Extrusion		
	Calendering		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (25°C)	37	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	50		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	DIN 53504
Tensile Elongation (Break)	550	%	DIN 53504
Tear Strength ¹	25.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	24	%	ISO 815
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (170°C)	10.0	min	
100 (pbw) Silplus 50 MP heat cured elastomer with 0.4 (pbw) like 2,5-Dimethyl-2,5-di(tert.butylperoxy)hexane (100%).			

Uncured Properties	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	DIN 53479
NOTE			
1.	B mould		

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