

Silplus® 70 MP

Silicone Rubber, HTV

Momentive Performance Materials Inc.

Message:

Silplus 70 MP is a heat cured elastomer with outstanding processing capability. Silplus 70 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 70 MP heat cured elastomer is an excellent candidate to consider for use in most types of molding, extrusion and calendaring applications.

General Information	
Features	Heat vulcanization
	Workability, good
	Good tear strength
Agency Ratings	BfR food contact, not rated
	DVGW W270
	FDA 21 CFR 177.2600
	ISO 10993
	KTW not rated
	USP Class VI
	WRAS not rated
UL File Number	E205753
Appearance	Translucent
Processing Method	Extrusion
	Calendering
	Injection molding

Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (25°C)	54	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	DIN 53504
Tensile Elongation (Break)	420	%	DIN 53504
Tear Strength ¹	30.0	kN/m	ASTM D624

Compression Set (175°C, 22 hr)	20	%	ISO 815
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (170°C)	10.0	min	
100 (pbw) Silplus 70 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	1.21	g/cm ³	DIN 53479
NOTE			
1.	B mould		

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