

# Silplus® 40 MP

Silicone Rubber, HTV

Momentive Performance Materials Inc.

## Message:

Silplus 40 MP is a heat cured elastomer with outstanding processing capability. Silplus 40 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 40 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)	25	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	9.00	MPa	DIN 53504
Tensile Elongation (Break)	750	%	DIN 53504
Tear Strength <sup>1</sup>	17.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	18	%	ISO 815
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (170°C)	10.0	min	
100 (pbw) Silplus 40 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	1.12	g/cm <sup>3</sup>	DIN 53479
NOTE			
1.	B mould		

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#### Recommended distributors for this material

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