

Silplus® 80 MP

Silicone Rubber, HTV

Momentive Performance Materials Inc.

Message:

Silplus 80 MP is a heat cured elastomer with outstanding processing capability. Silplus 80 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
versatile

Potential Applications
Because of its outstanding properties, Silplus 80 MP heat cured silicone is an excellent candidate to consider for use in most types of extrusion and calendaring applications.

General Information			
Features	Good Green Strength		
	Good Processability		
	Heat Cure		
Agency Ratings	BfR Food Contact, Unspecified Rating		
	FDA 21 CFR 177.2600		
	ISO 10993		
	USP Class VI		
Appearance	Translucent		
Processing Method	Calendering		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (25°C)	65	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	78		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	10.5	MPa	DIN 53504
Tensile Elongation (Break)	350	%	DIN 53504
Tear Strength ¹	22.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	30	%	ISO 815
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (170°C)	10.0	min	
Uncured Properties	Nominal Value	Unit	Test Method

Density	1.19	g/cm ³	DIN 53479
NOTE			

1. Die B

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Recommended distributors for this material

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