# Silplus® 60 HS

### Silicone Rubber, HTV

#### Momentive Performance Materials Inc.

#### Message:

Silplus 60 HS is a heat cured elastomer with very good mechanical and processing properties. Silplus 60 HS when properly compounded and catalyzed can be considered for use in a wide variety of applications such as extrusion, molding and calendaring. Key Features and Benefits excellent mechanical properties, in particular, high tear strength compounding simplicity good dielectric properties enhanced heat resistance versatile Potential Applications Because of its outstanding properties, Silplus 60 HS heat cured silicone is an excellent candidate to consider for use in most types of molding, extrusion and calendaring applications.

Features     Heat vulcanization       Workability, good     Good tear strength       Agency Ratings     FDA 21 CFR 177.2600       ISO 10993     USP Class VI       Appearance     Translucent       Processing Method     Extrusion       Calendering     Injection molding       Physical     Nominal Value     Unit       Mooney Viscosity (25°C)     39     MU       Durometer Hardness (Shore A)     60     Unit       Elastomers     Nominal Value     Unit       Tensile Etrugth     12.5     MPa       Itensile Strength     21.5     MPa       Strength     40.0     N/M       Tensile Etrongth     20     %       Tensile Congression Set (175°C, 22 hr)     20     %       Post Cure Time (200°C)     4.0     hr/       Additional Information     Nominal Value     Unit       Tensile Information     Nominal Value     Unit       Post Cure Time (200°C)     4.0     hr/       Additional Information     Nominal Value     Unit       Vulcanization (170°C)     10.0     min	General Information			
Agency Ratings     FDA 21 CFR 177.2600       ISO 10993     ISO 10993       USP Class VI     ISO 2000       Appearance     Translucent       Processing Method     Extrusion       Calendering     Incition molding       Physical     Nominal Value     Unit       Money Viscosity (25°C)     39     MU     ISO 3503       Physical     Nominal Value     Unit     Test Method       Durmeter Hardness (Shore A)     60     Iso 3504     Init     Test Method       Etastomers     Nominal Value     Unit     Test Method     Init     Test Method       Tensile Strength     12.5     MPa     Init Store 4     Init Store 4     Init Store 4       Tensile Strength <sup>1</sup> 0.0     KN/m     Store 4     Store 4     Store 4       Tensile Strength <sup>1</sup> 0.0     Wind     Store 4     Store 4     Store 4     Store 4       Compression Set (175°C, 22 hr)     20     Nominal Value     Unit     Test Method       Post Cure Time (200°C)     4.0     Normal Value     Unit     Test Method       Post Cure Time (200°C)     4.0     Normal Value <td< td=""><td>Features</td><td>Heat vulcanization</td><td></td><td></td></td<>	Features	Heat vulcanization		
Agency Ratings     FDA 21 CFR 177.2600       ISO 10993     ISO 10993       USP Class VI     ISO 10993       Appearance     Translucent       Processing Method     Extrusion       Calendering     Iso 10000       Iso Tomolding     Iso 10000       Physical     Nominal Value     Unit     Test Method       Money Viscosity (25°C)     39     Mu     DiN 53523       Parameer Hardness (Shore A)     60     Unit     Test Method       Durometer Hardness (Shore A)     60     Unit     Test Method       Tensile Elongation (Break)     700     MPa     DIN 53504       Tensile Strength     0.0     KM/m     Station 2010       Tensile Strength 1     Station 2		Workability, good		
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Additional Information Nominal Value Unit Test Method	Thermoset	Nominal Value	Unit	Test Method
	Post Cure Time (200°C)	4.0	hr	
Vulcanization (170°C) 10.0 min	Additional Information	Nominal Value	Unit	Test Method
	Vulcanization (170°C)	10.0	min	

100 (pbw) Silplus 60 HS with 0.25 (pbw) like 2,5-Dimethyl-2,5-di(tert.butylperoxy)hexane (100%).

Uncured Properties	Nominal Value	Unit	Test Method
Density	1.16	g/cm³	DIN 53479
NOTE			
1.	B mould		

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#### Recommended distributors for this material

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