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.

General Information	
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	Test Method
Mooney Viscosity (25°C)	39	MU	DIN 53523
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	60		DIN 53505
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	12.5	MPa	DIN 53504
Tensile Elongation (Break)	700	%	DIN 53504
Tear Strength [1]	40.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	20	%	ISO 815
Thermoset	**Nominal Value**	**Unit**	**Test Method**
Post Cure Time (200°C)	4.0	hr	
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		

Recommended distributors for this material

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