

Silplus® 60 EX

Silicone Rubber, HTV

Momentive Performance Materials Inc.

Message:

Silplus 60 EX is a heat cured silicone rubber base compound that is an excellent candidate to consider for use in extrusion, press-molding injection and calendaring. Silplus 60 EX heat cured silicone may be considered for use in a wide variety of high quality applications such as high durometer tubes and profiles.

- Key Features and Benefits
- excellent extruding processability
 - good mechanical properties
 - high green strength
 - easily blendable
 - versatile

Potential Applications

Because of its outstanding properties, Silplus 60 EX 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
	Heat vulcanization
	Workability, good
Uses	Pipe fittings
	Profile
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
	Molding
	Calendering
	Injection molding

Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (25°C)	51	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	62		DIN 53505

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	DIN 53504
Tensile Elongation (Break)	500	%	DIN 53504
Tear Strength ¹	25.0	kN/m	ASTM D624
Compression Set (175°C, 22 hr)	45	%	ISO 815
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Thermoset	Nominal Value	Unit	Test Method
Post Cure Time (200°C)	6.0	hr	
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (120°C)	10.0	min	
100 (pbw) Silplus 60 EX heat cured silicone with 1.5 pbw bis-(2,4-dichlorobenzoyl)-peroxide (50%).			
Uncured Properties	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	DIN 51757
NOTE			
1.	B mould		

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