

Silplus® 70 CW

Silicone Rubber, HTV

Momentive Performance Materials Inc.

Message:

Silplus 70 CW is a heat cured silicone rubber base compound that is an excellent candidate to consider for use in the cable and wire industry.

Key Features and Benefits

excellent processing (high green strength)

good mechanical profile

very good electrical properties

enhanced high temperature resistance

Potential Applications

Because of its outstanding properties, Silplus 70 CW heat cured silicone is an excellent candidate to consider for use in most types of cable and wire applications.

General Information			
Features	Good Green Strength		
	Heat vulcanization		
	Workability, good		
	Good electrical performance		
Uses	Wire and cable applications		
UL File Number	E205753		
Appearance	Translucent		
Physical	Nominal Value	Unit	Test Method
Mooney Viscosity (25°C)	57	MU	DIN 53523
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	72		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	11.0	MPa	DIN 53504
Tensile Elongation (Break)	380	%	DIN 53504
Tear Strength ¹	24.0	kN/m	ASTM D624
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Dielectric Strength	25	kV/mm	IEC 60243-1
Dielectric Constant (50 Hz)	3.10		IEC 60250
Dissipation Factor (1 kHz)	2.6E-4		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Vulcanization (120°C)	10.0	min	
100 (pbw) Silplus 70 CW heat cured silicone with 1.5 pbw bis-(2,4-dichlorobenzoyl)-peroxide (50%).			
Uncured Properties	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	DIN 51757

NOTE

1. B mould

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