

Arlon CP-498R Silicone Bulk Compound

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

This data represents typical values for the production material and should not be used as material specifications. Information provided by ARLON Silicone Technologies Division.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-CP-498R-Silicone-Bulk-Compound.php

Physical Properties	Metric	English	Comments
Density	1.62 g/cc	0.0585 lb/in ³	Silicone Property; Arlon SQA-TMS-024

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	Silicone Property; Arlon SQA-TMS-014
Tensile Strength	5.79 MPa	840 psi	Silicone Property; Arlon SQA-TMS-008
Elongation at Break	130 %	130 %	Silicone Property; Arlon SQA-TMS-008
Tear Strength	15.8 kN/m	90.0 pli	Silicone Property; Arlon SQA-TMS-029

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Inert	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	
Flammability, UL94	V-0	V-0	File E54153; 15 mil to 30 mil thickness on a substrate or carrier

Electrical Properties	Metric	English	Comments
Dielectric Strength	15.7 kV/mm	400 kV/in	Arlon SQA-TMS-020

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	Recommended Post Cure Cycle
	@Temperature 204 °C	@Temperature 400 °F	
	15.0 min	0.250 hour	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
	6.00 Month	6.00 Month	

Shelf Life	Metric	English	Comments
Processing Properties	@ Temperature 21.1 °C	@ Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

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