

Arlon CP-375CR Silicone Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

bulk compound

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-CP-375CR-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	Arlon SQA-TMS-024
Outgassing - Total Mass Loss	0.34 %	0.34 %	post cured; ASTM E 595
	1.07 %	1.07 %	cured; ASTM E 595

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	48	48	ASTM D2240
Tensile Strength, Ultimate	5.86 MPa	850 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
Tear Strength	12.3 kN/m	70.0 pli	Die B; silicone property; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	
	@Temperature 218 °C	@Temperature 425 °F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 23.9 °C	@Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Outgassing - CVCN (%) ASTM E595	0.1	post cured

Descriptive Properties	Value	Comments
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