

## Arlon 99790N010 0.010" (0.254 mm) Uncured Silicone Rubber with PTFE Coated Fiberglass Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

### Material Notes:

Design/Construction: Liner: FEP Side 1: Uncured Silicone Rubber Carrier: PTFE Coated Fiberglass This data represents typical values for the production material. The data should not be used to write, or in place of, material specifications. Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Arlon-99790N010-0010-0254-mm-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-99790N010-0010-0254-mm-Uncured-Silicone-Rubber-with-PTFE-Coated-Fiberglass-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	25.4 microns	1.00 mil	Liner
	76.2 microns	3.00 mil	Carrier
	254 microns	10.0 mil	Side 1
	254 microns	10.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	Silicone Property; ASTM D2240
Tensile Strength	8.96 MPa	1300 psi	Silicone Property; ASTM D412
Elongation at Break	770 %	770 %	Silicone Property; ASTM D412
Tear Strength	28.0 kN/m	160 pli	[ppiw], 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	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 177 °C	@Pressure 50.0 psi, Temperature 350 °F	
Shelf Life	36.0 Month	36.0 Month	From date of manufacture

Processing Properties	@Temperature 7.22 °C Metric	@Temperature 45.0 °F English	Comments
Descriptive Properties	Value		Comments
Color	Naturally Translucent		
Total Product Weight (oz/yd2)	8.3		Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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