

## Arlon R37503G060 0.060" Uncured Fluorosilicone on Release PET Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: 0.003" Polyethylene Side 1: Uncured Fluorosilicone Carrier: 0.005" Release PET 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-R37503G060-0060-Uncured-Fluorosilicone-on-Release-PET-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-R37503G060-0060-Uncured-Fluorosilicone-on-Release-PET-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Carrier; Arlon SQA-TMS-003
	1520 microns	60.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Silicone Property; ASTM D2240
Tensile Strength	3.85 MPa	558 psi	Silicone Property; ASTM D412
Elongation at Break	82 %	82 %	Silicone Property; ASTM D412
Tear Strength	4.91 kN/m	28.0 pli	Die B; Silicone Property; ASTM D624

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

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	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Light Green	Product
	Translucent	Carrier
Fuel A Resistance (% vol. swell)	6	ASTM D471
Fuel C Resistance (% vol. swell)	18.7	ASTM D471
Fuel CM85 Resistance (% vol. swell)	11.9	ASTM D471
Total Product Weight (oz/yd2)	81.4	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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