

## Arlon R37500G060 0.060" (1.52 mm) Uncured Fluorosilicone with Release PET Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: PolyethyleneSide 1: Uncured Fluorosilicone Carrier: Release PETThis 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-R37500G060-0060-152-mm-Uncured-Fluorosilicone-with-Release-PET-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-R37500G060-0060-152-mm-Uncured-Fluorosilicone-with-Release-PET-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.81 g/cc	0.0654 lb/in <sup>3</sup>	Fluorosilicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	127 microns	5.00 mil	Carrier
	1520 microns	60.0 mil	Side 1; Arlon SQA-TMS-003
	1520 microns	60.0 mil	Overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	Fluorosilicone Property; ASTM D2240
Tensile Strength	3.85 MPa	558 psi	Fluorosilicone Property; ASTM D412
Elongation at Break	82 %	82 %	Fluorosilicone Property; ASTM D412
Tear Strength	4.91 kN/m	28.0 pli	Die B, Fluorosilicone 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	120 min	2.00 hour	Recommended Postcure 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	

Processing Properties	Metric	English	Comments
Shear Life	@Temperature 21.1 °C	@Temperature 70.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Light Green	
	Translucent	Carrier
Fuel Resistance	0.06	Fuel A Resistance, ASTM D471
	0.119	Fuel CM85 Resistance, ASTM D471
	0.187	Fuel C Resistance, ASTM D471
Total Product Weight (oz/yd2)	81.4	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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