

## Arlon 32580R030 0.030" Uncured Silicone Rubber on PET Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Interleave: 0.003" Polyethylene Side 1: Uncured Silicone Rubber Carrier: 0.005" 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-32580R030-0030-Uncured-Silicone-Rubber-on-PET-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-32580R030-0030-Uncured-Silicone-Rubber-on-PET-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	Carrier; Arlon SQA-TMS-003
	762 microns	30.0 mil	Silicone; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	37	37	Silicone Property; ASTM D2240
Tensile Strength	6.55 MPa	950 psi	Silicone Property; ASTM D412
Elongation at Break	620 %	620 %	Silicone Property; ASTM D412
Tear Strength	26.3 kN/m	150 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	
UL RTI, Electrical	200 °C	392 °F	E54153
UL RTI, Mechanical without Impact	200 °C	392 °F	E54153

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	ASTM D149

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	

Processing Properties	Metric	English	Recommended Cure Cycle
	@Pressure 0.345 MPa, Temperature 121 °C	@Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	Silicone
	Translucent	Carrier
Total Product Weight (oz/yd2)	31.4	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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