

## Arlon 32400R040 0.040" (1.02 mm) Uncured Silicone Rubber on PET Carrier

Category : Polymer , Thermoset , Silicone , Silicone Rubber

### Material Notes:

Design/Construction: Side 1: Uncured Silicone Rubber Carrier: PET Interleave: Polyethylene Appearance: Red silicone rubber on polymer liner 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-32400R040-0040-102-mm-Uncured-Silicone-Rubber-on-PET-Carrier.php](http://www.lookpolymers.com/polymer_Arlon-32400R040-0040-102-mm-Uncured-Silicone-Rubber-on-PET-Carrier.php)

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in <sup>3</sup>	Silicone Property; Arlon SQA-TMS-024
Thickness	76.2 microns	3.00 mil	Interleave
	127 microns	5.00 mil	Carrier
	1020 microns	40.0 mil	Overall; Arlon SQA-TMS-003
	1020 microns	40.0 mil	Side 1; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	55	55	Silicone Property; ASTM D2240
Tensile Strength	7.467 MPa	1083 psi	Silicone Property; ASTM D412
	8.184 MPa	1187 psi	Post Cured Product; ASTM D412
Elongation at Break	711 %	711 %	Silicone Property; ASTM D412
	718 %	718 %	Post Cured Product; ASTM D412
Tear Strength	43.5 kN/m	248 pli	Silicone Compound; ASTM D624
	47.9 kN/m	273 pli	Post Cured Product; ASTM D624
Compression Set	9.0 %	9.0 %	Post Cured Product, Silicone Property; ASTM D395

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

Electrical Properties	Metric	English	Comments
Dielectric Strength	31.8 kV/mm	807 kV/in	ASTM D149

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	Recommended Cure Cycle
	@Temperature 177 °C	@Temperature 350 °F	
	240 min	4.00 hour	Recommended Postcure Cycle, after 30 minute ramp up cycle
	@Temperature 227 °C	@Temperature 440 °F	
Shelf Life	3.00 Month	3.00 Month	From date of manufacture
	@Temperature 21.1 °C	@Temperature 70.0 °F	

Descriptive Properties	Value	Comments
Color	Red	
Total Product Weight (oz/yd2)	38	Arlon SQA-TMS-025

## Contact Songhan Plastic Technology Co.,Ltd.

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