

## Ultra Thin Silicone Film Datasheet

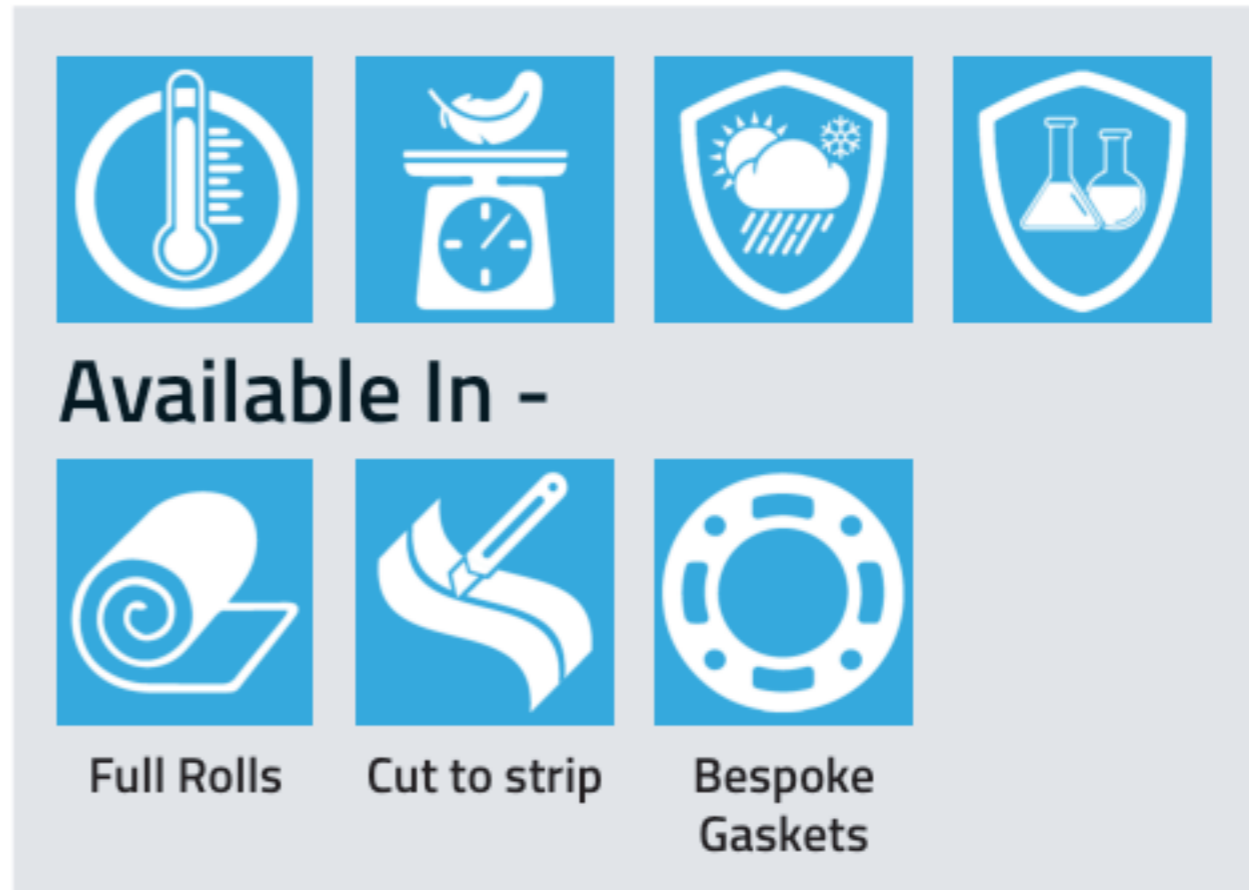
Product Code: RC0323-THIN

### Product Description

Our ultra thin silicone film is a high quality, translucent sheeting product. Despite being incredibly thin, these films are highly elastic, with low modulus, high specific resistivity and high dielectric strength.

Ultra thin silicone film gives you many of the useful properties found in standard silicone products, in a thin form factor.

### Technical Specification



Properties	Test Method	Values
Hardness (Shore A)	ISO 7619-1	27° ± 5°
Tensile Strength	DIN 53504 S 1	6.0 N/mm <sup>2</sup>
Elongation at Break	DIN EN ISO 527-3	450%
Compression Set (22h, 100°C)	DIN ISO 815-B	5%
Working Temperature Range	-	-45°C to + 200°C
Tear Strength	ASTM D 624 B	10 N/mm
Glass Transition Temperature	-	-126°C
Gas Permeability (Selectively)	DIN 53536	CO <sub>2</sub> /N <sub>2</sub> 10:1
Water Vapor Permeability	JIS 1099 A 1	3000 g/m <sup>2</sup> /24h at 20 μm
Water Vapor Permeability	JIS 1099 A 1	1200 g/m <sup>2</sup> /24h at 50 μm
Water Vapor Permeability	JIS 1099 A 1	800 g/m <sup>2</sup> /24h at 100 μm
Permittivity	-	2.8 ε
Dielectric Strength	VDE 0303	80 - 100 V/μm
Volume Resistivity	DIN IEC 60093	10 <sup>14</sup> Ω cm



The information contained on this product information sheet is to be used as guidance. The advice is given in good faith and does not constitute any guarantee or recommendation for suitability. The Rubber Company cannot be held liable for any damage caused by incorrect installation. We hereby reserve the right to change the technical information herewith without notification or prior agreement.