

# SIL 30

SIL 30 is a soft, biocompatible, and tear-resistant silicone urethane elastomer that is ideal for comfortable skin-contact applications.

<b>Tensile Properties</b> ASTM D412, Die-C, 500 mm/min	Metric	U.S.
Ultimate Tensile Strength	3.4 MPa	0.49 ksi
Elongation at Break	330 %	
Stress at 50 % Elongation	0.42 MPa	0.061 ksi
Stress at 100 % Elongation	0.69 MPa	0.10 ksi
Stress at 200 % Elongation	1.45 MPa	0.21 ksi

  

<b>Mechanical Properties</b>	Metric	U.S.
Tear Strength, ASTM D624-C	9.6 kN/m	55 lb <sub>f</sub> /in

  

<b>General Properties</b>	Metric
Hardness, ASTM D2240	35, Shore A

**NOTES**—Results in this data sheet represent typical values from specific sample generation and testing processes and may vary if the established protocols are not followed. Contact Carbon for the specific process used to generate the test samples to determine each of these values. The U.S. values are converted from Metric measurements and are for reference only.

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