

Silicone Elastomer Tube

Formula: $(C_2H_4OSi)_n$

Outside Diameter: 5.5mm

Wall Thickness: 1.6mm

Inside Diameter: 2.3mm

Length: 5000mm

CAS Number: 63148-53-8

UOM Code: 015-707-55

SKU: 1000001960-group

Product Code: SI30-TB-000161

Material Properties for Polymers

Chemical Resistance

Element	Value
Acids - concentrated	Good-Poor
Acids - dilute	Good-Poor
Alcohols	Good-Fair
Alkalis	Good-Fair
Aromatic hydrocarbons	Poor
Greases and Oils	Good-Poor
Halogenated Hydrocarbons	Poor
Halogens	Poor
Ketones	Poor

Mechanical Properties

Element	Value
Hardness - Rockwell	60 degrees Shore A
Elongation at break(%)	200-800
Tensile strength(MPa)	6.5

Physical Properties

Element	Value
Radiation resistance	Poor

Element	Value
Density(gcm ³)	1.1-1.5

Thermal Properties

Element	Value
Lower working temperature(C)	-20
Upper working temperature(C)	200-260
Specific heat(J K ⁻¹ kg ⁻¹)	1300-1500
Thermal conductivity(W m ⁻¹ K ⁻¹)	0.22@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	250-300

Electrical Properties

Element	Value
Volume resistivity(Ohmcm)	10 ¹² -10 ²²