



FLUOROSILICONE 6679 PREMIUM

Fluorosilicone

Standard Colour: **Blue**
Service temperature: -55°C to +225°C

Press Cure 10 minutes @ 165°C
Post Cure 4 hours @ 200°C

Physical properties	Unit	Testing method	Requirement	Result
Hardness	IRHD	ISO 48	65-75	71
Density	g/cm ³	ISO 2751		1.54
Tensile strength	MPa	ISO 37	7.5 min	10.9
Elongation	%	ISO 37	245 min	262
Tear strength	N/mm	ISO 34-1	17 min	18.9
Low temperature Non brittle	°C	ISO 812	-55 min	<-55
TR10	°C	ISO 2921		-64
TR30	°C	ISO 2921		-58
TR50	°C	ISO 2921		-45
TR70	°C	ISO 2921		-38
Compression set				
22hrs at 175°C	%	ISO 815-1	16% max	9
70hrs at 100°C	%	ISO 815-1	16% max	5
Ozone resistance (50ppcm)				
72hrs at 40°C		ISO1431-1	No cracks	Pass
Immersion Nytro 10XN (150hrs at 90°C)				
Hardness change	%		-10 max	-4 (-5.6)
Volume change	%	ISO 1817	-10 max	+5
Weight change	%		-10 max	+2

The results displayed in this data sheet were obtained on standard test specimens following standard test procedures. Comparisons with results obtained on finished products, e.g. O-Rings, could lead to other results due to differences in geometry and manufacturing processes. These other results do therefore not automatically contravene the data of this sheet. The evaluation of parts prior to their use in order to ensure their suitability for the intended application is subject to the end user's responsibility.