

Thin Wall Crosslinked Chlorinated Polyolefin

TECHNICAL DATA

TECHNICAL DATA	CURRENT VALUES	TEST METHODS
Material		
Tensile Strength	1,500 psi (10.3 MPa)	ASTM D412
Elongation	225% minimum	ASTM D412
Tensile stress at 200 percent elongation	1,500 psi (10.3 MPa)	ASTM D412
Low Temperature Flexibility	No cracks	4 hours at -94 °F (-70 °C)
Heat Shock	No cracks, flowing or dripping	4 hours at 392 °F (200 °C)
Tensile strength after heat aging (168 hrs at 121°C)	1,200 psi (8.3 MPa) minimum	ASTM D412
Ultimate elongation after heat aging (168 hrs at 121°C)	175% minimum	ASTM D412
Dielectric strength after heat aging (168 hrs at 121°C)	300 psi (11.8 MPa) minimum	ASTM D2671
Electrical		
Dielectric Strength	300 V/mil (11.8 kV/mm) - up to 0.875 inch expanded ID 200 V/mil (7.8 kV/mm) - 1.000 inch expanded ID and above	ASTM D2671
Volume Resistivity	1 x 10 ¹¹ ohm-cm	4.6.2 ASTM D876
Chemical		
Corrosion	No pitting or corrosion	16 hours at 302°F (150°C)
Water absorption, percent, maximum	1.0%	24 hours at 73°F (23°C)
Flammability	Self extinguishing 15 seconds; 3 inches maximum burn length	ASTM D2671, Procedure A
Tensile strength after immersion in various fluids* (24 hrs at 24°C)	1000 psi (6.9 MPa) minimum	ASTM D412
Ultimate elongation after immersion in various fluids* (24 hrs at 24°C)	175% minimum	ASTM D412
Dielectric strength after immersion in various fluids* (24 hrs at 24°C)	250 V/mil (9.8 kV/mm) minimum	ASTM D2671
Fungus resistance	No growth	ASTM G21

Note: All properties listed adhere to AMS-DTL-23053/1A, Class 1 and Class 2

* Hydraulic fluid (petroleum base), JP-8, Lubricating oil, 5 percent NaCl, Deicing fluid

FOR FURTHER INFORMATION, PLEASE CONTACT:

Americas: 800 422 6872

Canada: 800 845 6808

Asia Pacific: +86 512 82280099

Europe: +49 2226 9047 355

We advise that customers should separately evaluate the suitability of our products for their particular application. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. Please ask for the latest version of this data sheet. Subject to modification without prior notice.