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Technical Specifications for Torr-Seal  
Catalog Number 30022

**Absorption:** 0.30% (water, 24-hour immersion)  
**Acid Resistance:** Withstands SF<sub>6</sub> at 25°C  
**Adhesion:** Will not adhere to Teflon, Kel-F, nylon, polypropylene  
**Carcinogenics:** Does not contain any of the carcinogens listed in the OSHA Standards of November 29, 1975.  
**Color:** Off-White  
**Combustion:** (Gasses emitted at normal temperatures) - NO<sub>x</sub>, CO<sub>2</sub>, H<sub>2</sub>O, CO  
**Compressive Strength:** 10,000 psi ± 20% (at 25°C)  
**Corrosive Properties:** Corrosive to copper when uncured; non-corrosive when cured  
**Cure Time:** 24 hours at 25°C, 2 hours at 60°C  
**Dielectric Constant:** 6.1 (at 25°C, 1 kHz)  
**Dielectric Strength:** 350 volts/mil  
**Dissipation Factor:** 0.09 (at 25°C, 1 kHz)  
**Expansion, linear:** 30.3 x 10<sup>-6</sup> in./in./°C at (30°C to 90°C)  
**Flash Point:** 175°C  
**Flexural Strength:** 11,000 psi ± 20%  
**Fungus Resistance:** Very high  
**Hardening Time:** 1 to 2 hours at 25°C, 30 minutes at 60°C  
**Hardness:** 75-80 Shore D  
**Heat of Reaction:** Very slightly exothermic  
**Pot Life:** 55 minutes (100 grams at 25°C)  
**Resistivity, Volume:** 3.52 x 10<sup>14</sup> ohm/cm (at 25°C)  
**Shear Strength, Tensile:** (on an aluminum lap joint) -  
at 25°C, following 7 days at -45°C, 2150 psi  
at 25°C, following 7 days at 25°C, 2000 psi  
at 25°C, following 7 days at 80°C, 1900 psi  
at 80°C, 800 psi  
100% relative humidity, long-term, 1900 psi  
immersed in alcohol, 0.5 hour, 1600 psi  
after 24-hour room temperature cure, 800 psi  
**Shelf Life:** 12 months minimum from date of shipment  
**Shrinkage, linear:** 0.00125 in./in. (At 25°C)  
**Specific Gravity:** 1.6  
**Temperature:** -45°C to 120°C; cracks at liquid nitrogen temperature  
**Tensile Strength:** 5000 psi ± 30%  
**Thermal Conductivity:** 10.4 x 10<sup>-4</sup> cal/sec/cm<sup>2</sup>/°C/cm