



Summary Of Typical Properties
- Duralast VR-52 – PPS

| | Properties | Units | Value | Test Method |
|-------------------|--------------------------------------|-----------|------------|-------------|
| Physical | Specific Gravity | g/cm3 | 1.78 | ASTM D-792 |
| | Water Absorption | | | |
| | 24 hours | % | 0.015% | ASTM D-570 |
| | 48 hours | % | 0.015% | ASTM D-570 |
| Mechanical | Tensile Strength @ 75°F | psi | 12,000 | ASTM D-638 |
| | Tensile Modulus | psi | 820,000 | ASTM D-638 |
| | Tensile Elongation | % | 2.0% | ASTM D-638 |
| | Flexural Strength | psi | 14,500 | ASTM D-790 |
| | Flexural Modulus | psi | 1,280,000 | ASTM D-790 |
| | Izod Impact Strength | ft-lbs/in | 0.5 | ASTM D-256A |
| | Compressive Strength | psi | 28,000 | ASTM D-695 |
| | Hardness Shore D | | 90 | ASTM-D-785 |
| Rockwell R | | 123 | ASTM-D-785 | |
| Thermal | Temperature of Deflection | °F | 535 | ASTM D-648A |
| | Coefficient of Linear Expansion | in/in/°F | 2.3 | ASTM C- 518 |
| | Continuous Use Temperature | °F | 475 | ASTM D-696 |
| Electrical | Dielectric Strength Short 60 Hz, dry | V/mil | N/A | ASTM D-149 |
| | Dissipation factor 100Hz to1Ghz | | N/A | ASTM D-150 |
| | Dielectric Constant 100Hz to 1Mhz | | N/A | ASTM D-150 |

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