



Summary Of Typical Properties
- Duralast VR-40 – Glass-reinforced PPS

	Properties	Units	Value	Test Method
Physical	Specific Gravity	g/cm3	1.65	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	8,200	ASTM D-638
	Tensile Modulus	psi	1,005,000	ASTM D-638
	Tensile Elongation	%	1.13%	ASTM D-638
	Flexural Strength	psi	15,780	ASTM D-790
	Flexural Modulus	psi	960,000	ASTM D-790
	Izod Impact Strength	ft-lbs/in	1	ASTM D-256A
	Compressive Strength	psi	24,300	ASTM D-695
	Hardness Shore D		90	ASTM-D-785
	Rockwell R		123	ASTM-D-785
Thermal	Temperature of Deflection	°F	490	ASTM D-648A
	Coefficient of Linear Expansion	in/in/°F	2.3x10 ⁻⁵	ASTM C- 518
	Continuous Use Temperature	°F	450	ASTM D-696
Electrical	Dielectric Strength Short Term	V/mil	450	ASTM D-149
	Dissipation Factor	10 ⁶ Hz	0.002	ASTM D-150
	Dielectric Constant	10 ⁶ Hz	3.8	ASTM D-150
	Surface Resistivity	Ohm ²	10 ¹³	EOS/ESD S11.11

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Symmtek Polymers LLC
 123 Gantry Lane
 Calera, OK 74730
 (303) 670-8820