



PRODUCT CAPABILITIES:

- Rod : 1/4" - 6"
- Sheet : 1/4" - 4"

ADVANTAGES:

- Superior Hydrolysis Resistance
- Virtually Unlimited Steam Sterilizability
- Excellent Impact And Chemical Resistance
- Dimensional Stability
- USP Class VI Compliant

PRODUCT COLORS:

- Transparent
- Bone White (Natural)

APPLICATIONS INCLUDE:

- Sterilization Trays, Dental And Surgical Instrument Handles, Orthopedic Implant Trials And In Fluid Handling Coupling And Fitting Applications

GENERAL PROPERTIES	ASTM or UL Test	RADEL® A Typical Values
PHYSICAL		
Specific Gravity (g/cm ³)	D792	1.37
Water Absorption, 24 hrs (%)	D570	0.54
MECHANICAL		
Tensile Strength (psi)	D638	12,000
Tensile Modulus (psi)	D638	385,000
Tensile Elongation at Break (%)	D638	6.5
Tensile Impact Strength (ft-lb/in ²)	D1822	160
Flexural Strength (psi)	D790	16,100
Flexural Modulus (psi)	D790	420,000
Compressive Strength (psi)	-	-
Compressive Modulus (psi)	-	-
Hardness, Rockwell	D785	-
IZOD Notched Impact (ft-lb/in)	D256	1.6
THERMAL		
Coeff. of Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	2.7
Heat Deflection Temp (°F / °C) @ 264 psi	D648	400 / 204
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	-
Flammability Rating	UL94	V-O
ELECTRICAL		
Dielectric Strength (V/mil) short time, 1/8" thick	D149	380
Dielectric Constant at 1 MHz	D150	3.54
Dissipation Factor at 1 MHz	D150	0.0056
Volume Resistivity (ohm-cm) at 50% RH	D257	1.7 x 10 ¹⁵

NOTE: The information contained here in is typical values intended for reference only. They should NOT be used as a basis for design specifications or quality control.