



TYPICAL PROPERTIES of CELAZOLE T-SERIES POLYMERS					
ASTM or UL test	Property	TU-60 unfilled	TL-60 lubricated	TF-60V glass-filled	TF-60C carbon-filled
PHYSICAL					
D792	Density (lb/in ³) (g/cm ³)	0.047 1.30	0.052 1.43	0.055 1.51	0.051 1.41
D570	Water Absorption, saturation (%)	6.5	3.8	4.6	3.8
MECHANICAL					
ISO 527	Tensile Strength (psi)	14,000	16,000	26,000	35,000
ISO 527	Tensile Modulus (psi)	710,000	2,300,000	2,000,000	3,500,000
ISO 527	Tensile Elongation at Break (%)	2.2	1.1	1.6	1.5
ISO 178	Flexural Strength (psi)	26,000	23,000	40,000	50,000
ISO 178	Flexural Modulus (psi)	710,000	2,000,000	2,000,000	3,200,000
-	Compressive Strength (psi)	30,000	-	-	-
D695	Compressive Modulus (psi)	430,000	-	-	-
D785	Hardness, Rockwell	A 25	-	-	-
ISO 180	IZOD Notched Impact (ft-lb/in)	1.9	1.7	2.4	2.4
THERMAL					
D696	Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F) 75-300°F 390-570°F	1.9 3.4	-	-	-
D648	Heat Deflection Temp (°F / °C) at 264 psi	581 / 305	- / -	- / -	- / -
-	Max Operating Temp (°F / °C)	- / -	- / -	- / -	- / -
ELECTRICAL					
D149	Dielectric Strength (V/mil) short time, 1/8" thick	433	-	-	-
D150	Dielectric Constant at 10 kHz	3.4	-	-	-
D150	Dissipation Factor at 10 kHz	0.001	-	-	-
D495	Arc Resistance (seconds)	135	-	-	-
D257	Volume Resistivity (ohm-cm) at 50% RH	2 x 10 ¹⁶	-	-	-

Data provided is for reference purposes only. Additional testing may be required for design specifications or quality control. All values at 73°F unless otherwise stated.

