

Tenite™ cellulose acetate butyrate—Selector chart

Formulas 264, 285, 485, 530, 550, 565, 575, 576

Miscellaneous butyrate properties	
Refractive index (ASTM D542)	1.46–1.49
Light transmission (1.52-mm [0.06-in.] thickness) (ASTM E308)	>90%
UV light screening (>99% absorbed) (ASTM E308)	Formulations available on request
Haze (1.52-mm [0.06-in.] thickness) (ASTM D1003)	<8.5%
Specific heat @ 23°C (73°F) (DSC)	1.26–1.67 kJ/kg·K (0.301–0.399 Btu/lb·°F)
Thermal conductivity (ASTM C177)	0.17–0.33 W/m·K (1.2–2.3 Btu·in./h·ft ² ·°F)
Coefficient of linear thermal expansion (ASTM D696)	11–17 x 10 ⁻⁵ mm/mm·°C (6–9 x 10 ⁻⁵ in./in.·°F)
Mold shrinkage (ASTM D955)	0.2%–0.6%
Dielectric strength (ASTM D149)	11.8–18.7 kV/mm (300–475 V/mil)
Dielectric constant @ 1 MHz (ASTM D150)	3.3–3.8
Dissipation factor @ 1 MHz (ASTM D150)	0.01–0.15
Volume resistivity (ASTM D257)	10 ¹³ –10 ¹⁵ ohm·cm