

Tenite™ Butyrate 572A1V95316 Smoke, Trsp

Cellulose Acetate Butyrate
Eastman Chemical Company

Message:

Tenite™ cellulosic plastics are noted for their excellent balance of properties - toughness, hardness, strength, surface gloss, clarity, and a warm feel. The mechanical properties of Tenite™ cellulosic plastics differ with plasticizer levels. Lower plasticizer content yields a harder surface, higher heat resistance, greater rigidity, higher tensile strength, and better dimensional stability. Higher plasticizer content increases impact strength. Tenite™ cellulosic plastics are available in natural, clear, selected ambers or smoke transparents and black transluents. Color concentrates are available in let-down ratios from 10:1 to 40:1. Tenite™ Cellulose Acetate Butyrate 572-16 contains an odor mask lubricant and an ultra-violet inhibitor (UVI). It has a plasticizer level of 16%.

General Information			
Additive	Plasticizer (16%)		
	UV Stabilizer		
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Good Strength		
	Good Toughness		
	High Clarity		
	High Gloss		
	High Hardness		
	High Heat Resistance		
	Plasticized		
	Renewable Resource Content		
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Water Absorption (23°C, 24 hr)	1.2	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	30.3	MPa	
Break, 23°C	31.0	MPa	
Tensile Elongation (Break, 23°C)	26	%	ASTM D638
Flexural Modulus (23°C)	1160	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	100	J/m	
23°C	530	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ¹			ASTM D648
0.45 MPa, Annealed	79.0	°C	
1.8 MPa, Annealed	67.0	°C	
Additional Information	Nominal Value	Unit	Test Method
Weight Loss on Heating - 72 hr (80°C)	0.90	%	ASTM D707
NOTE			

1. Conditioned 4 hours at 70°C
(158°F)

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