Tenite™ Butyrate 572E3720012, Clear, 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 translucents. Color concentrates are available in let-down ratios from 10:1 to 40:1. ™Tenite™ Cellulose Acetate Butyrate 572-12 contains an odor mask lubricant and an ultra-violet inhibitor(UVI). It has a plasticizer level of 12%.

General Information	
Additive	Lubricant
	Plasticizer (12%)
	UV Stabilizer
Features	Good Strength
	Good Toughness
	Good UV Resistance
	High Clarity
	High Gloss
	High Hardness
	Low to No Odor
	Lubricated
	Plasticized
	Renewable Resource Content
	Soft
Uses	Film
	Profiles
	Sheet
Appearance	Amber
	Black
	Clear/Transparent
	Natural Color
Forms	Pellets

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Water Absorption (23°C, 24 hr)	1.3	%	ASTM D570

Hardness	Nominal Value	Unit	Test Method

Rockwell Hardness (R-Scale, 23°C)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	33.8	MPa	
Break, 23°C	34.0	MPa	
Tensile Elongation (Break, 23°C)	23	%	ASTM D638
Flexural Modulus (23°C)	1300	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	98	J/m	
23°C	350	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load [1]			ASTM D648
0.45 MPa, Annealed	83.0	°C	
1.8 MPa, Annealed	78.0	°C	
Additional Information	Nominal Value	Unit	Test Method
Weight Loss on Heating [2] (80°C)	0.40	%	ASTM D707
NOTE			
1.	Conditioned 4 hours at 70°C (158°F)		
2.	72 hours		

Recommended distributors for this material

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