

EXCELON™ CAB

TENITE BUTYRATE

TRANSPARENT

TOUGH AND DURABLE



Specify Excelon™ CAB — the Tenite Butyrate for predictable high performance and ease of fabrication for protective and packaging applications.

Multiple Uses

Excelon CAB, extruded by Thermoplastic Processes, Inc., combines optical clarity and scuff and impact resistance with ease of fabrication. It can be easily cut, bonded with cement and printed and is UL rated.

Excelon CAB is ideally suited for plastic packaging and tubing, especially for scientific products, and is available in FDA-approved formulations for medical and food-related uses. In addition, it's a logical choice for extruded and profile shapes.

The exceptional permanence and dimensional stability of Excelon CAB make it ideal for thin-walled applications where superior toughness, rigidity and durability are required. Because of its low water absorption

characteristics, Excelon CAB exhibits minimal dimensional change in environments of varying humidity.

Custom Shapes, Formulas and Colors

Excelon CAB extruded tubing and profile shapes are available in clear transparent; in a virtually unlimited range of transparent, translucent and opaque plain colors, variegations or mottles; and in pearlescent and metallic effects. Specific formulations are available for tints and colors with performance additives for ultra-violet stabilization, flame retardant and radiation resistance.

Excelon CAB can be ordered from stock in 1/16" I.D. to 6" O.D. and up to 8" O.D. on custom orders in a variety of wall thicknesses.

TYPICAL PROPERTIES

Standard extrusions and stock tubing are of the MH flow grade. Other flow grades are available on special order. All tests performed on injection molded specimens 1/8" thick

at 73°F (23°C) and 50 percent relative humidity unless otherwise specified.

PROPERTY, Unit	ASTM Method	EXCELON CAB
Flow Temperature, °F	D 569	302
Specific Gravity	D 792	1.19
Hardness, Rockwell, R Scale	D 785	75
Tensile Strength at Yield, psi	D 638	3,800
Tensile Strength at fracture, psi		
at 73°F (23°C)	D 638	5,000
at 158°F (70°C)		3,300
Flexural Strength at Yield, psi	D 790	5,750
Flexural Modulus, 10 ⁵ psi	D 790	1.90
Impact Strength, Izod, ft.-lb./in. of notch		
at 73°F (23°C)	D 256	4.8
at -40°F (-40°C)		1.2
Deformation Under Load, %*		
24 hours at 122°F (50°C)		
at 1,000 psi	D 621	2
at 2,000 psi		10
Water Absorption, %		
(24-hour immersion)	D 570	1.4
Soluble Matter Lost, %		0.1
Weight Loss on Heating, %		
72 hours at 180°F(82°C)	D 707	0.5

*Compression molded specimen 1/2 inch thick (Tenite® is a registered trademark of Eastman Chemical Company.)

*For applications that require higher temperature, greater impact resistance or a thinner wall, inquire about our Excelon PC

Excelon™ ...Clear Quality



Thermoplastic Processes, Inc.

1268 Valley Road, Stirling, NJ 07980
Tel. 888-554-6400; 908-561-3000 • Fax 800-874-3291; 908-753-6749



LIABILITY CLAUSE

THERMOPLASTIC PROCESSES, INC., hereinafter called the "Manufacturer," warrants that its products shall be free from defects in workmanship and materials. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES FOR FITNESS FOR PURPOSE INTENDED. The Manufacturer's liability is limited to the replacement of any materials which, after an examination by the Manufacturer and its sole option, are found to be defective. The Manufacturer will honor only those claims which are presented within ninety (90) days of the delivery of the materials to the purchaser. THE MANUFACTURER SPECIFICALLY DISCLAIMS ANY AND ALL LIABILITY FOR CONSEQUENTIAL DAMAGES. This literature supersedes all previous literature and the responsibilities made thereon.