

## Product Data Sheet

### UTTAP™ ES 10559

Polycarbonate Alloy – High temperature (HDT), high impact, with excellent short and long term heat stability.

Properties*	Standard	Unit	Typical Value
<b>Physical</b>			
Specific Gravity	D 792		1.34
<b>Mechanical</b>			
Tensile Stress @ yld, 50 mm/min	D 638	MPa.	65
Tensile Strain @ brk, 50 mm/min	D 638	%	40
Tensile Modulus, 50 mm/min	D 638	MPa.	1750
Flexural Stress @ yld, 1.3 mm/min, 50 mm span	D 790	MPa.	82
Flexural Modulus, 1.3 mm/min, 50 mm span	D 790	MPa.	1980
Izod Impact, notched @ 23°C	D 256	ft-lb/in	12
<b>Thermal</b>			
HDT @ 264 psi, 3.2 mm, unannealed	D 648	°C	135

\*All properties are measured after 48 hours of conditioning at 23°C and 50% relative humidity. All samples are prepared according to ASTM standards. Variations within normal tolerances are possible for various types of colors and functional properties like UV resistance.

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