

## Technical data

### Optical Properties

Measurement	Condition	Value
Critical Exposure	@355nm	~11.5mJ/cm <sup>2</sup>
Penetration Depth	@355nm	0.16mm
E <sub>10</sub>	@355nm	54mJ/cm <sup>2</sup>

### Mechanical Properties

Measurement	Condition	Value
	ASTM	
Tensile strength	D638	47.1 to 53.6MPa
Tensile Modulus	D638	11-20%
Elongation@Break	D638	3.3 to 3.5%
Elongation@Yield	D638	2650 to 2880MPa
Modulus of Elasticity	D790	63.1 to 74.16MPa
Flexural Strength	D790	2040 to 2370MPa
Flexural modulus	D256A	0.2 to 0.3J/cm
Izod Impact-Noched	D542	1.512 to 1.515
Index of Refraction	A1004	150,288N/m
Graves Tear	D570-98	0.35%

### Thermal Properties

Measurement	Condition	Value
	ASTM	
CTE -40°C to -0°C	E831-00	66-67x10 <sup>-6</sup>
CTE -0°C to -50°C	E831-00	90-96x10 <sup>-6</sup>

### Electrical Properties

Measurement	Condition	Value
	ASTM	
Dielectric Constant@60	D150-98	3.9 to 4.1Hz

## Features, benefits & applications

- Durable, strong, semi-transparent and water resistant
- Its properties mimic traditional engineering plastics, including ABS and PBT
- Ideal for applications in the automotive, medical and consumer electronics markets, including water and a liquid flow analysis.

