

# Mablex<sup>®</sup> 449E

PC/ABS Blend  
Prime Compound

## Description:

PC/ABS blend injection moulding V0 flame retardant, antimony bromine and chlorine free, enhanced thermal stability, non blooming

## General

Density	ISO 1183	1.17	g/cm <sup>3</sup>
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (260°C/5kg)	ISO 1133	25	g/10min

## Thermal

HDT/A (1,82MPa)	ISO 75A	95	°C
Vicat softening point (B50 (50N))	ISO 306	107	°C
Ball pressure test (85°C)	IEC 335	Pass	-

## Mechanical

Izod notched impact strength (23°C)	ISO 180/A	50	kJ/m <sup>2</sup>
Izod notched impact strength (-30°C)	ISO 180/A	25	kJ/m <sup>2</sup>
Tensile stress at yield	ISO 527	50	MPa
Tensile stress at break	ISO 527	45	MPa
Elongation at break	ISO 527	60	%
Flex modulus	ISO 178	2700	MPa

## Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,6mm)	UL94	V0	
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°C

## Various

Surface resistivity	IEC 60093	1.00+E14	Ohm
Volume resistivity	IEC 60093	1.00E+15	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	30	kV/mm
CTI	IEC 60112	250	V

## Remark:

UL94 officially approval file number: E103497

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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