

Mablex[®] 470E

PC/ABS Blend
Prime Compound

Description:

PC/ABS blend high heat V0 flame retardant, antimony bromine and chlorine free, enhanced thermal stability, ball pressure test 125°C

General

Density	ISO 1183	1.17	g/cm ³
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (260°C/5kg)	ISO 1133	20	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	125	°C
Vicat softening point (B50 (50°C/h, 50N))	ISO 306	132	°C
Ball pressure test (125°C)	IEC 335	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180/A	50	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180/A	20	kJ/m ²
Tensile stress at yield	ISO 527	55	MPa
Tensile stress at break	ISO 527	50	MPa
Elongation at break	ISO 527	50	%
Flex modulus	ISO 178	2600	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	1.00E+14	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

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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