

Mablex[®] 451

PC/ABS Blend
Prime Compound

Description:

PC/ABS blend V0 flame retardant grade antimony bromine and chlorine free

General

Density	ISO 1183	1.20	g/cm ³
Linear mould shrinkage	ISO 2577	0.5-0.7	%
MFI (260°C/2,16kg)	ISO 1133	22	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	80	°C
Vicat softening point (B50 (50N))	ISO 306	92	°C
Vicat softening point (A50(10N))	ISO 306	-	°C
Ball pressure test (75°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	53	MPa
Tensile stress at break	ISO 527	48	MPa
Elongation at break	ISO 527	25	%
Flex modulus	ISO 178	2700	MPa

Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (1,6mm)	UL94	V0	
Burning rate (FMVSS 302)	ISO 3795	-	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	960	°C

Various

Surface resistivity	IEC 60093	1.00E+15	Ohm
Volume resistivity	IEC 60093	1.00E+16	Ohm.cm
CTI	IEC 60112	350	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.

Ravago Group Headquarters

Moerenstraat 85A
B - 2370 Arendonk

Tel: +32 (0)14 67 25 11
Fax: +32 (0)14 67 20 12

www.ravago.com
manufacturing@ravago.com

Issue Date:
Mar 2011