

Mablex[®] 319V0

PC/ABS Blend
Prime Compound

Description:

PC/ABS blend V0 flame retardant, 20% glass fibre filled grade

General

Density	ISO 1183	1.35	g/cm ³
Linear mould shrinkage	ISO 2577	0.2-0.3	%
MFI (260°C/5kg)	ISO 1133	10	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	118	°C
Vicat softening point (B50 (50N))	ISO 306	127	°C
Vicat softening point (A50(10N))	ISO 306	135	°C
Ball pressure test (75°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	10	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	5	kJ/m ²
Tensile stress at yield	ISO 527	-	MPa
Tensile stress at break	ISO 527	70	MPa
Elongation at break	ISO 527	4	%
Flex modulus	ISO 178	5000	MPa

Flammability

Flammability (3,2mm)	UL94	V0	
Flammability (2,5mm)	UL94	5VA	
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+14	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	33	kV/mm
CTI	IEC 60112	175	V

Remark:

UL94 officially approval file number: E103497