



	Mablex [®] Eco GF 10 IQ	
PC/ABS Blend		
Recycled Quality Compound		

Description:

PC/ABS blend 10% glass fiber filled, injection molding grade, recycled quality ISO 14021:2016 compliant, only available in black color.

General

Density	ISO 1183	1,20	g/cm ³
MFI (260°C/5kg)	ISO 1133	30	g/10min
Mold shrinkage (Parallel)		0,3-0,5	%
Mold shrinkage (Perpendicular)		0,4-0,6	%

Thermal

HDT/A (1,82MPa)	ISO 75A	120	°C
Vicat softening point (B50 (50N))	ISO 306	129	°C
Ball pressure test (125°C)	IEC 60695-10-2	pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	10	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	65	MPa
Tensile strength at break (23 °C)	ISO 527	60	MPa
Elongation at break (23 °C)	ISO 527	4	%
Flexural modulus (23 °C)	ISO 178	3900	MPa

Flammability

Flammability (1,6mm)	UL94 (tested internally)	HB	
Flammability (3,2mm)	UL94 (tested internally)	HB	
Burning rate (FMVSS 302)	ISO 3795	35	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C

Various

Surface resistivity	IEC 60093	1E14	Ohm
Volume resistivity	IEC 60093	1E14	Ohm.cm
Dielectric rigidity (Oil 1mm)	IEC 60243-1	33	kV/mm
CTI	IEC 60112	175	V