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Mablex[®] Eco GF 20 IQ



PC/ABS Blend
Recycled Quality Compound

Description:

PC/ABS blend 20% glass fiber filled, injection molding grade, recycled quality ISO 14021:2016 compliant, only available in black color.

General

Density	ISO 1183	1,23	g/cm ³
MFI (260°C/5kg)	ISO 1133	25	g/10min
Mold shrinkage (Parallel)		0,2-0,4	%
Mold shrinkage (Perpendicular)		0,3-0,5	%

Thermal

HDT/A (1,82MPa)	ISO 75A	120	°C
Vicat softening point (B50 (50N))	ISO 306	126	°C
Ball pressure test (125°C)	IEC 60695-10-2	pass	°C

Mechanical

Izod notched impact strength (23 °C)	ISO 180	8,5	kJ/m ²
Tensile strength at yield (23 °C)	ISO 527	90	MPa
Tensile strength at break (23 °C)	ISO 527	88	MPa
Elongation at break (23 °C)	ISO 527	3	%
Tensile modulus (23 °C)	ISO 527	6000	MPa
Flexural modulus (23 °C)	ISO 178	4800	MPa
Flexural strength (+23°C)	ISO 178	136	MPa

Flammability

Flammability (1,6mm)	UL94 (tested internally)	HB	
Flammability (3,2mm)	UL94 (tested internally)	HB	
Burning rate (FMVSS 302)	ISO 3795	<100	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°C