

Mablex[®] 459F

PC/ABS Blend
Prime Compound

Description:

PC/ABS Blend, high gloss, improved chemical resistance grade

General

Density	ISO 1183	1.11	g/cm ³
Linear mould shrinkage	ASTM D955	0.5 - 0.7	%
MFI (260°C/5kg)	ISO 1133	27	g/10min

Thermal

HDT/A (1,82MPa)	ISO 75A	102	°C
Vicat softening point (B50 (50N))	ISO 306	110	°C
Vicat softening point (A50(10N))	ISO 306	120	°C
Ball pressure test (75°C)	IEC 60695-10-2	Pass	°C

Mechanical

Izod notched impact strength (23°C)	ISO 180	45	kJ/m ²
Izod notched impact strength (-30°C)	ISO 180	27	kJ/m ²
Tensile stress at yield	ISO 527	45	MPa
Tensile stress at break	ISO 527	35	MPa
Elongation at break	ISO 527	20	%
Flex modulus	ISO 178	2100	MPa

Flammability

Flammability (3,2mm)	UL94	HB	
Flammability (1,6mm)	UL94	HB	
Burning rate (FMVSS 302)	ISO 3795	55	mm/min
Glow wire flammability index (2,0 mm)	IEC 60695-2-12	650	°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	24	kV/mm
CTI	IEC 60112	300	V