# Mablex® 274F

PC/ABS Blend
Prime Compound

***Description:***

PC/ABS blend medium heat resistant grade high flow, also available (LO) low odor & VOC to meet all global automotive OEM specification

## General

| | | | |
|---|---|---|---|
| Density | ISO 1183 | 1.13 | g/cm³ |
| Linear mould shrinkage | ISO 2577 | 0.5-0.7 | % |
| MFI (260°C/5kg) | ISO 1133 | 22 | g/10min |

## Thermal

| | | | |
|---|---|---|---|
| HDT/A (1,82MPa) | ISO 75A | 110 | °C |
| Vicat softening point (B50 (50N)) | ISO 306 | 124 | °C |
| Vicat softening point (A50(10N)) | ISO 306 | 132 | °C |
| Ball pressure test (75°C) | IEC 60695-10-2 | Pass | °C |

## Mechanical

| | | | |
|---|---|---|---|
| Izod notched impact strength (23°C) | ISO 180 | 55 | kJ/m² |
| Izod notched impact strength (-30°C) | ISO 180 | 32 | kJ/m² |
| Tensile stress at yield | ISO 527 | 58 | MPa |
| Tensile stress at break | ISO 527 | 48 | MPa |
| Elongation at break | ISO 527 | 52 | % |
| Flex modulus | ISO 178 | 2400 | MPa |

## Flammability

| | | | |
|---|---|---|---|
| Flammability (3,2mm) | UL94 | HB | |
| Flammability (1,6mm) | UL94 | HB | |
| Burning rate (FMVSS 302) | ISO 3795 | 48 | 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 |

Datasheet

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.

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