

Mablex[®] 273F

PC/ABS Blend
Prime Compound

Description:

PC/ABS Blend general purpose grade high flow

General

| | | | |
|------------------------|-----------|---------|-------------------|
| Density | ISO 1183 | 1.10 | g/cm ³ |
| Linear mould shrinkage | ASTM D955 | 0.5-0.7 | % |
| MFI (260°C/5kg) | ISO 1133 | 22 | g/10min |

Thermal

| | | | |
|-----------------------------------|---------|------|----|
| HDT/A (1,82MPa) | ISO 75A | 105 | °C |
| Vicat softening point (B50 (50N)) | ISO 306 | 110 | °C |
| Vicat softening point (A50(10N)) | ISO 306 | 125 | °C |
| Ball pressure test (75°C) | IEC 335 | Pass | °C |

Mechanical

| | | | |
|--------------------------------------|-----------|------|-------------------|
| Izod notched impact strength (23°C) | ISO 180/A | 50 | kJ/m ² |
| Izod notched impact strength (-30°C) | ISO 180/A | 25 | kJ/m ² |
| Tensile stress at yield | ISO 527 | 52 | MPa |
| Tensile stress at break | ISO 527 | 42 | MPa |
| Elongation at break | ISO 527 | 38 | % |
| Flex modulus | ISO 178 | 2400 | MPa |

Flammability

| | | | |
|---------------------------------------|----------------|-----|--------|
| Flammability (3,2mm) | UL94 | HB | |
| Flammability (1,6mm) | UL94 | HB | |
| Burning rate (FMVSS 302) | ISO 3795 | 53 | mm/min |
| Glow wire flammability index (2,0 mm) | IEC 60695-2-12 | 650 | °C |

Various

| | | | |
|-------------------------------|-------------|----------|--------|
| CTI | IEC 112 | 500 | V |
| 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 |

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Issue Date:
Jul 2010