



# Mablex® 273F

## Ravago Manufacturing Europe - Polycarbonate + ABS

### General Information

#### Product Description

PC/ABS Blend general purpose grade high flow

#### General

|                 |                      |                 |
|-----------------|----------------------|-----------------|
| Material Status | • Commercial: Active |                 |
| Availability    | • Europe             | • North America |
| Features        | • General Purpose    | • High Flow     |
| Uses            | • General Purpose    |                 |

### Properties <sup>1</sup>

| Physical                                              | Nominal Value | Unit              | Test Method    |
|-------------------------------------------------------|---------------|-------------------|----------------|
| Density                                               | 1.10          | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)              | 22            | g/10 min          | ISO 1133       |
| Molding Shrinkage - Flow                              | 0.50 to 0.70  | %                 | ASTM D955      |
| Mechanical                                            | Nominal Value | Unit              | Test Method    |
| Tensile Stress (Yield)                                | 52.0          | MPa               | ISO 527-2      |
| Tensile Stress (Break)                                | 42.0          | MPa               | ISO 527-2      |
| Tensile Strain (Break)                                | 38            | %                 | ISO 527-2      |
| Flexural Modulus                                      | 2400          | MPa               | ISO 178        |
| Impact                                                | Nominal Value | Unit              | Test Method    |
| Notched Izod Impact Strength                          |               |                   | ISO 180/A      |
| -30°C                                                 | 25            | kJ/m <sup>2</sup> |                |
| 23°C                                                  | 50            | kJ/m <sup>2</sup> |                |
| Thermal                                               | Nominal Value | Unit              | Test Method    |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 105           | °C                | ISO 75-2/A     |
| Vicat Softening Temperature                           |               |                   |                |
| --                                                    | 110           | °C                | ISO 306/B50    |
| --                                                    | 125           | °C                | ISO 306/A50    |
| Ball Pressure Test (75°C)                             | Pass          |                   |                |
| Electrical                                            | Nominal Value | Unit              | Test Method    |
| Surface Resistivity                                   | 1.0E+14       | ohms              | IEC 60093      |
| Volume Resistivity                                    | 1.0E+15       | ohms·cm           | IEC 60093      |
| Electric Strength (1.00 mm, in Oil)                   | 24            | kV/mm             | IEC 60243-1    |
| Comparative Tracking Index                            | 500           | V                 | IEC 60112      |
| Flammability                                          | Nominal Value | Unit              | Test Method    |
| Burning Rate <sup>2</sup>                             | 53            | mm/min            | ISO 3795       |
| Flame Rating                                          |               |                   | UL 94          |
| 1.6 mm                                                | HB            |                   |                |
| 3.2 mm                                                | HB            |                   |                |
| Glow Wire Flammability Index (2.0 mm)                 | 650           | °C                | IEC 60695-2-12 |