

# POLIFOR® E25 TR/15 UV

## POLIFOR®

### Product information

|                      |          |           |
|----------------------|----------|-----------|
| Resin Identification | PP-T15   | ISO 1043  |
| Part Marking Code    | >PP-T15< | ISO 11469 |

### Rheological properties

|                                  |            |          |
|----------------------------------|------------|----------|
| Melt mass-flow rate              | 26 g/10min | ISO 1133 |
| Melt mass-flow rate, Temperature | 230 °C     |          |
| Melt mass-flow rate, Load        | 2.16 kg    |          |

### Typical mechanical properties

|                                     |                      |              |
|-------------------------------------|----------------------|--------------|
| Tensile stress at yield, 50mm/min   | 20 MPa               | ISO 527-1/-2 |
| Tensile strain at break, 50mm/min   | 50 %                 | ISO 527-1/-2 |
| Flexural modulus                    | 1550 MPa             | ISO 178      |
| Flexural strength                   | 28 MPa               | ISO 178      |
| Charpy impact strength, 23 °C       | 91 kJ/m <sup>2</sup> | ISO 179/1eU  |
| Izod notched impact strength, 23 °C | 10 kJ/m <sup>2</sup> | ISO 180/1A   |

### Thermal properties

|  |        |             |
|--|--------|-------------|
| Temperature of deflection under load, 0.45 MPa | 102 °C | ISO 75-1/-2 |
| Vicat softening temperature, 50 °C/h 50N       | 60 °C  | ISO 306     |

### Flammability

|                              |             |                      |
|------------------------------|-------------|----------------------|
| FMVSS Class                  | B           | ISO 3795 (FMVSS 302) |
| Burning rate, Thickness 1 mm | 76.6 mm/min | ISO 3795 (FMVSS 302) |

### Physical/Other properties

|         |                        |          |
|---------|------------------------|----------|
| Density | 1010 kg/m <sup>3</sup> | ISO 1183 |
|---------|------------------------|----------|