



## Makrolon® ET UV530

PC

Covestro Deutschland AG

- PC/UV absorber concentrate
- high viscosity
- easy release
- very low plate-out
- special grade for the coextrusion of Makrolon ET base resins
- solid sheet
- multi wall sheets / profiles

| Rheological properties     | Value | Unit                   | Test Standard |
|----------------------------|-------|------------------------|---------------|
| <b>ISO Data</b>            |       |                        |               |
| Melt volume-flow rate, MVR | 10    | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                | 300   | °C                     | -             |
| Load                       | 1.2   | kg                     | -             |

| Mechanical Properties           | Value    | Unit              | Test Standard |
|---------------------------------|----------|-------------------|---------------|
| <b>ISO Data</b>                 |          |                   |               |
| Impact Strength (Charpy), +23°C | no break | kJ/m <sup>2</sup> | ISO 179/1eU   |

| Thermal Properties                        | Value | Unit | Test Standard |
|-------------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                           |       |      |               |
| Temp. of deflection under load (1.80 MPa) | 124   | °C   | ISO 75-1/-2   |
| Temp. of deflection under load (0.45 MPa) | 137   | °C   | ISO 75-1/-2   |
| Vicat softening temperature, 50°C/h 50N   | 143   | °C   | ISO 306       |

| Electrical Properties | Value | Unit  | Test Standard |
|-----------------------|-------|-------|---------------|
| <b>ISO Data</b>       |       |       |               |
| Volume Resistivity    | >1E13 | Ohm*m | IEC 62631-3-1 |
| Surface Resistivity   | >1E15 | Ohm   | IEC 62631-3-2 |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 1190  | kg/m <sup>3</sup> | ISO 1183      |

| Test specimen production              | Value | Unit | Test Standard |
|---------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                       |       |      |               |
| Injection Molding, melt temperature   | 290   | °C   | ISO 294       |
| Injection Molding, mold temperature   | 80    | °C   | ISO 294       |
| Injection Molding, injection velocity | 200   | mm/s | ISO 294       |

## Characteristics

### Processing

Other Extrusion