

## Technical Data Sheet



### CELLIDOR CP 400-17

|                        |                                 |
|------------------------|---------------------------------|
| Base Polymer           | CelluloseAcetatePropionate      |
| Filler/Additive System | 17 % phthalate-free plasticiser |
| Typical Applications   | various                         |

Pre-Drying Conditions in an air circulating dryer 50-80 °C for 2-4 h  
dependant on moisture content  
0,15 % max. moisture content

Processing Injection Moulding melt temperature 180-230 °C  
mould temperature 40-80 °C

Storage dry, protected from light

| Properties                             | Value     | Dimension              | Test Norm   |
|----------------------------------------|-----------|------------------------|-------------|
| <b>Mechanical Properties</b>           |           |                        |             |
| Flexural Modulus                       | 1300      | MPa                    | ISO 178     |
| Flexural Stress (3.5% Strain)          | 31        | MPa                    | ISO 178     |
| Tensile Modulus                        | 1300      | MPa                    | ISO 527     |
| Tensile Stress at Yield                | 28        | MPa                    | ISO 527     |
| Tensile Elongation at Yield            | 3.5       | %                      | ISO 527     |
| Tensile Elongation at Break            | 35        | %                      | ISO 527     |
| Impact Strength (Charpy, 23°C)         | no break  | kJ/m <sup>2</sup>      | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 30        | kJ/m <sup>2</sup>      | ISO 179/1eA |
| Ball Indentation Hardness H132/30      | 55        | MPa                    | ISO 2039-1  |
| <b>Thermal Properties</b>              |           |                        |             |
| Vicat B50                              | 72        | °C                     | ISO 306     |
| HDT / A (1,8 MPa)                      | 67        | °C                     | ISO 75-1/-2 |
| <b>Rheological Properties</b>          |           |                        |             |
| Melt Index (MVR)                       | 22        | cm <sup>3</sup> /10min | ISO 1133    |
| MVR temperature                        | 210       | °C                     | -           |
| MVR load                               | 2.16      | kg                     | -           |
| Shrinkage (24h)                        | 0.4 - 0.7 | %                      | ISO 294-4   |
| <b>Physical Properties</b>             |           |                        |             |
| Density                                | 1190      | kg/m <sup>3</sup>      | ISO 1183    |