

# POLYfill PP CCP20020 UV

Polypropylene

Polykemi AB

Message:

Mineral reinforced UV stabilized

| General Information                       |                              |                   |             |
|-------------------------------------------|------------------------------|-------------------|-------------|
| Filler / Reinforcement                    | Mineral,20% Filler by Weight |                   |             |
| Additive                                  | UV Stabilizer                |                   |             |
| Physical                                  | Nominal Value                | Unit              | Test Method |
| Density                                   | 1.04                         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 20                           | g/10 min          | ISO 1133    |
| Molding Shrinkage                         |                              |                   | ISO 294-4   |
| Across Flow                               | 1.0 to 1.2                   | %                 |             |
| Flow                                      | 1.0 to 1.2                   | %                 |             |
| Mechanical                                | Nominal Value                | Unit              | Test Method |
| Tensile Stress                            | 30.0                         | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                    | 5.0                          | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                   | 2000                         | MPa               | ISO 178     |
| Flexural Stress                           | 48.0                         | MPa               | ISO 178     |
| Impact                                    | Nominal Value                | Unit              | Test Method |
| Charpy Notched Impact Strength            |                              |                   | ISO 179     |
| -30°C                                     | 3.0                          | kJ/m <sup>2</sup> |             |
| 23°C                                      | 8.0                          | kJ/m <sup>2</sup> |             |
| Thermal                                   | Nominal Value                | Unit              | Test Method |
| Heat Deflection Temperature <sup>1</sup>  |                              |                   |             |
| 0.45 MPa, Unannealed                      | 114                          | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                       | 60.0                         | °C                | ISO 75-2/A  |
| Vicat Softening Temperature               |                              |                   |             |
| --                                        | 145                          | °C                | ISO 306/A50 |
| --                                        | 70.0                         | °C                | ISO 306/B50 |
| NOTE                                      |                              |                   |             |
| 1.                                        | 120°C/hr                     |                   |             |

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