

# POLYfill PPHC K9030

Polypropylene

Polykemi AB

Message:

Mineral reinforced

| General Information                       |                              |                   |                |
|-------------------------------------------|------------------------------|-------------------|----------------|
| Filler / Reinforcement                    | Mineral,30% Filler by Weight |                   |                |
| Physical                                  | Nominal Value                | Unit              | Test Method    |
| Density                                   | 1.13                         | g/cm <sup>3</sup> | ISO 1183       |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 9.0                          | g/10 min          | ISO 1133       |
| Molding Shrinkage                         |                              |                   | ISO 294-4      |
| Across Flow                               | 1.1 to 1.3                   | %                 |                |
| Flow                                      | 1.1 to 1.3                   | %                 |                |
| Mechanical                                | Nominal Value                | Unit              | Test Method    |
| Tensile Stress                            | 24.0                         | MPa               | ISO 527-2      |
| Tensile Strain (Yield)                    | 6.0                          | %                 | ISO 527-2      |
| Flexural Modulus                          |                              |                   | ISO 178        |
| -20°C                                     | 2600                         | MPa               |                |
| 23°C                                      | 1900                         | MPa               |                |
| Flexural Stress                           | 45.0                         | MPa               | ISO 178        |
| Impact                                    | Nominal Value                | Unit              | Test Method    |
| Charpy Notched Impact Strength (23°C)     | 7.0                          | kJ/m <sup>2</sup> | ISO 179        |
| Thermal                                   | Nominal Value                | Unit              | Test Method    |
| Heat Deflection Temperature <sup>1</sup>  |                              |                   |                |
| 0.45 MPa, Unannealed                      | 110                          | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                       | 68.0                         | °C                | ISO 75-2/A     |
| Vicat Softening Temperature               |                              |                   |                |
| --                                        | 143                          | °C                | ISO 306/A50    |
| --                                        | 72.0                         | °C                | ISO 306/B50    |
| Flammability                              | Nominal Value                | Unit              | Test Method    |
| Flame Rating (1.60 mm)                    | HB                           |                   | UL 94          |
| Glow Wire Ignition Temperature (2.00 mm)  | 750                          | °C                | IEC 60695-2-13 |
| NOTE                                      |                              |                   |                |
| 1.                                        | 120°C/hr                     |                   |                |

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