

# FORMULA P COMP 3240

Polypropylene

Putsch Kunststoffe GmbH

## Message:

Polypropylene, with 40% Talc reinforced. This material has a good stiffness and heat resistance.

| General Information                       |                                   |                   |                 |
|-------------------------------------------|-----------------------------------|-------------------|-----------------|
| Filler / Reinforcement                    | Talc filler, 40% filler by weight |                   |                 |
| Features                                  | Rigid, good                       |                   |                 |
|                                           | Heat resistance, high             |                   |                 |
| Physical                                  | Nominal Value                     | Unit              | Test Method     |
| Density                                   | 1.21                              | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 7.0                               | g/10 min          | ISO 1133        |
| Molding Shrinkage                         | 0.80 - 1.0                        | %                 | Internal method |
| Mechanical                                | Nominal Value                     | Unit              | Test Method     |
| Tensile Stress                            |                                   |                   | ISO 527-2       |
| Yield                                     | 24.0                              | MPa               | ISO 527-2       |
| Fracture                                  | 17.0                              | MPa               | ISO 527-2       |
| Tensile Strain (Break)                    | 20                                | %                 | ISO 527-2       |
| Flexural Modulus                          | 4200                              | MPa               | ISO 178         |
| Flexural Stress (3.5% Strain)             | 53.0                              | MPa               | ISO 178         |
| Impact                                    | Nominal Value                     | Unit              | Test Method     |
| Notched Izod Impact (23°C)                | 2.0                               | kJ/m <sup>2</sup> | ISO 180         |
| Thermal                                   | Nominal Value                     | Unit              | Test Method     |
| Vicat Softening Temperature               | 100                               | °C                | ISO 306/B       |
| Additional Information                    |                                   |                   |                 |
| Tensile Strength, ISO 527: 24 MPa         |                                   |                   |                 |
| Injection                                 | Nominal Value                     | Unit              |                 |
| Processing (Melt) Temp                    | 230 - 260                         | °C                |                 |
| Mold Temperature                          | 30.0 - 50.0                       | °C                |                 |

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