

# SLOVALEN® PH 92 T 30

Polypropylene

Plastcom

Message:

Modified PP for injection moulding with the content of 30% mineral filling. Increased rigidity, strength and thermal. Decreased shrinkage. General application in all industry branches.

| General Information                       |                           |                   |             |
|-------------------------------------------|---------------------------|-------------------|-------------|
| Filler / Reinforcement                    | Talc,30% Filler by Weight |                   |             |
| Additive                                  | Heat Stabilizer           |                   |             |
| Features                                  | General Purpose           |                   |             |
|                                           | Good Strength             |                   |             |
|                                           | Heat Stabilized           |                   |             |
|                                           | Low Shrinkage             |                   |             |
|                                           | Medium Heat Resistance    |                   |             |
|                                           | Medium Rigidity           |                   |             |
| Uses                                      | General Purpose           |                   |             |
| Appearance                                | Colors Available          |                   |             |
|                                           | Natural Color             |                   |             |
| Processing Method                         | Injection Molding         |                   |             |
| Resin ID (ISO 1043)                       | PP/H                      |                   |             |
| Physical                                  | Nominal Value             | Unit              | Test Method |
| Density                                   | 1.10                      | 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                         |                           |                   | STM 64 0808 |
| Across Flow                               | 1.2                       | %                 |             |
| Flow                                      | 0.90                      | %                 |             |
| Water Content                             | 0.10                      | %                 | ISO 960     |
| Mechanical                                | Nominal Value             | Unit              | Test Method |
| Tensile Modulus                           | 3600                      | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                    | 32.0                      | MPa               | ISO 527-2   |
| Tensile Strain (Yield)                    | 4.0                       | %                 | ISO 527-2   |
| Flexural Modulus                          | 3500                      | MPa               | ISO 178     |
| Flexural Stress                           | 29.0                      | MPa               | ISO 178     |
| Impact                                    | Nominal Value             | Unit              | Test Method |
| Charpy Notched Impact Strength            |                           |                   | ISO 179     |
| -20°C                                     | 1.5                       | kJ/m <sup>2</sup> |             |
| 23°C                                      | 2.0                       | kJ/m <sup>2</sup> |             |

| Charpy Unnotched Impact Strength                   |               |                   | ISO 179        |
|----------------------------------------------------|---------------|-------------------|----------------|
| -20°C                                              | 12            | kJ/m <sup>2</sup> |                |
| 23°C                                               | 40            | kJ/m <sup>2</sup> |                |
| Thermal                                            | Nominal Value | Unit              | Test Method    |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 98.0          | °C                | ISO 75-2/B     |
| Vicat Softening Temperature                        | 152           | °C                | ISO 306/B      |
| Melting Temperature (DSC)                          | 160           | °C                | ISO 3146       |
| Flammability                                       | Nominal Value | Unit              | Test Method    |
| Flame Rating                                       | HB            |                   | UL 94          |
| Glow Wire Ignition Temperature                     | 650           | °C                | IEC 60695-2-13 |
| Injection                                          | Nominal Value | Unit              |                |
| Drying Temperature                                 | 80.0          | °C                |                |
| Drying Time                                        | 2.0           | hr                |                |
| Processing (Melt) Temp                             | 230 to 250    | °C                |                |
| Mold Temperature                                   | 40.0 to 60.0  | °C                |                |
| Injection Pressure                                 | 60.0 to 80.0  | MPa               |                |

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