

# TRANSMARE® 19HT30-0.001

Polypropylene Homopolymer

Transmare Compounding B.V.

## Message:

TRANSMARE® 19HT30-0.001 is a 30% fine white talc filled polypropylene homopolymer for injection molding purposes with high stiffness and good flow. Suitable for light colors.

| General Information                   |                           |                   |              |
|---------------------------------------|---------------------------|-------------------|--------------|
| Filler / Reinforcement                | Talc,30% Filler by Weight |                   |              |
| Features                              | Good Flow                 |                   |              |
|                                       | High Stiffness            |                   |              |
| Appearance                            | White                     |                   |              |
| Forms                                 | Pellets                   |                   |              |
| Processing Method                     | Injection Molding         |                   |              |
| Physical                              | Nominal Value             | Unit              | Test Method  |
| Density                               | 1.15                      | g/cm <sup>3</sup> | ISO 1183     |
| Melt Mass-Flow Rate (MFR)             |                           |                   | ISO 1133     |
| 230°C/2.16 kg                         | 18                        | g/10 min          |              |
| 230°C/5.0 kg                          | 80                        | g/10 min          |              |
| Hardness                              | Nominal Value             | Unit              | Test Method  |
| Shore Hardness (Shore D)              | 75                        |                   | ISO 868      |
| Mechanical                            | Nominal Value             | Unit              | Test Method  |
| Tensile Stress                        |                           |                   | ISO 527-2/50 |
| Yield, 4.00 mm                        | 34.0                      | MPa               |              |
| Break, 4.00 mm                        | 30.0                      | MPa               |              |
| Tensile Strain                        |                           |                   | ISO 527-2/50 |
| Yield, 4.00 mm                        | 3.0                       | %                 |              |
| Break, 4.00 mm                        | 10                        | %                 |              |
| Flexural Modulus <sup>1</sup>         | 4400                      | MPa               | ISO 178      |
| Flexural Stress <sup>2</sup>          | 59.0                      | MPa               | ISO 178      |
| Impact                                | Nominal Value             | Unit              | Test Method  |
| Charpy Notched Impact Strength (23°C) | 1.5                       | kJ/m <sup>2</sup> | ISO 179/A    |
| Notched Izod Impact Strength (23°C)   | 2.7                       | kJ/m <sup>2</sup> | ISO 180/A    |
| Thermal                               | Nominal Value             | Unit              | Test Method  |
| Heat Deflection Temperature           |                           |                   |              |
| 0.45 MPa, Unannealed                  | 119                       | °C                | ISO 75-2/B   |
| 1.8 MPa, Unannealed                   | 76.0                      | °C                | ISO 75-2/A   |
| Vicat Softening Temperature           | 155                       | °C                | ISO 306/A    |
| NOTE                                  |                           |                   |              |

|    |            |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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