



# Scolefin® HT 4210

## Ravago Manufacturing Europe - Polypropylene Homopolymer

### General Information

#### Product Description

Polypropylene Homopolymer compound, 20% talcum filled, Flame Retardant V0 (Deca-BDE free)

#### General

|                        |                              |                 |  |
|------------------------|------------------------------|-----------------|--|
| Material Status        | • Commercial: Active         |                 |  |
| Availability           | • Europe                     | • North America |  |
| Filler / Reinforcement | • Talc, 20% Filler by Weight |                 |  |
| Additive               | • Flame Retardant            |                 |  |
| Features               | • Flame Retardant            | • Homopolymer   |  |

### Properties <sup>1</sup>

| Physical  | Nominal Value | Unit              | Test Method     |
|---|---------------|-------------------|-----------------|
| Density   | 1.33          | g/cm <sup>3</sup> | ISO 1183        |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)             | 10            | g/10 min          | ISO 1133        |
| Molding Shrinkage                                     | 0.80 to 1.2   | %                 | ISO 2577        |
| Mechanical  | Nominal Value | Unit              | Test Method     |
| Tensile Modulus (23°C)                                | 2000          | MPa               | ISO 527-1       |
| Tensile Stress (Yield, 23°C)                          | 25.0          | MPa               | ISO 527-2       |
| Tensile Stress (Break, 23°C)                          | 20.0          | MPa               | ISO 527-2       |
| Tensile Strain (Break, 23°C)                          | 10            | %                 | ISO 527-2       |
| Flexural Modulus (23°C)                               | 2700          | MPa               | ISO 178         |
| Impact  | Nominal Value | Unit              | Test Method     |
| Notched Izod Impact Strength (23°C)                   | 3.0           | kJ/m <sup>2</sup> | ISO 180         |
| Thermal   | Nominal Value | Unit              | Test Method     |
| Deflection Temperature Under Load (1.8 MPa, Annealed) | 68.0          | °C                | ISO 75-2/A      |
| Vicat Softening Temperature                           | 80.0          | °C                | ISO 306/B50     |
| Ball Pressure Test (125°C)                            | Pass          |                   | IEC 60695-10-2  |
| Flammability  | Nominal Value | Unit              | Test Method     |
| Flame Rating  |               |                   |                 |
| 1.6 mm  | V-0           |                   | UL 94           |
| 3.2 mm  | V-0           |                   | UL 94           |
| 2.0 mm  | 5VA           |                   | Internal Method |
| Glow Wire Flammability Index (2.0 mm)                 | 960           | °C                | IEC 60695-2-12  |

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.