

## Technical Data Sheet

### Percom PCT15USR-ST NATURAL



Polypropylene Copolymer

#### Product Description

15% mineral filled PP Copolymer with UV stabilization and enhanced scratch resistance

|                      |                                            |
|----------------------|--------------------------------------------|
| Processing Method    | Injection Molding                          |
| Attribute            | Copolymer; Scratch Resistant; UV Resistant |
| Application          | Automotive Interior Parts                  |
| Filler/Reinforcement | Talc, 15%                                  |

| Typical Properties                                      | Nominal Value | Units                   | Test Method |
|---------------------------------------------------------|---------------|-------------------------|-------------|
| <b>Physical</b>                                         |               |                         |             |
| Melt Volume Flow Rate, (230 °C/2.16 kg)                 | 16            | cm <sup>3</sup> /10 min | ASTM D1238  |
| Density                                                 | 1.01          | g/cm <sup>3</sup>       | ISO 1183    |
| <b>Mechanical</b>                                       |               |                         |             |
| Tensile Stress at Yield                                 | 23            | MPa                     | ISO 527-2   |
| Tensile Strain at Yield                                 | 4             | %                       | ISO 527-2   |
| Tensile Modulus                                         | 2100          | MPa                     | ISO 527-1   |
| <b>Impact</b>                                           |               |                         |             |
| Charpy Impact Strength - Notched, (23 °C)               | 16            | kJ/m <sup>2</sup>       | ISO 179     |
| Charpy Impact Strength - Unnotched, (23 °C)             | No Break      |                         | ISO 179     |
| <b>Hardness</b>                                         |               |                         |             |
| Shore Hardness, (Shore D)                               | 60            |                         | ISO 868     |
| <b>Thermal</b>                                          |               |                         |             |
| Vicat Softening Temperature, (A (10N), 50 °C/h)         | 138           | °C                      | ISO 306     |
| Deflection Temperature Under Load Unannealed (0.45 MPa) | 103           | °C                      | ISO 75-2/B  |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 57            | °C                      | ISO 75-2/A  |
| <b>UL Information</b>                                   |               |                         |             |
| Flame Rating                                            | HB            |                         | UL 94       |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 2.0 to 3.0    | hr    |
| Drying Temperature     | 80            | °C    |
| Processing (Melt) Temp | 220 to 260    | °C    |
| Mold Temperature       | 30 to 60      | °C    |