

## Technical Data Sheet

### Percom PP A0905 GREY 4978-1



Polypropylene Copolymer

#### Product Description

Percom PP A0905 GREY 4978-1 is a Polypropylene Copolymer Chalk, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

|                      |                         |
|----------------------|-------------------------|
| Processing Method    | Injection Molding       |
| Attribute            | Copolymer               |
| Application          | Automotive Applications |
| Filler/Reinforcement | Chalk, 20%              |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                       | 13            | g/10 min          | ISO 1133    |
| Density                                                | 1.04          | g/cm <sup>3</sup> | ISO 1183    |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Stress at Yield                                | 27            | MPa               | ISO 527-2   |
| Tensile Strain at Break                                | 200           | %                 | ISO 527-2   |
| Flexural Modulus                                       | 1750          | MPa               | ISO 178     |
| Tensile Stress at Break                                | 20            | MPa               | ISO 527-2   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact Strength, (23 °C, Type 1, Notch A) | 7.0           | kJ/m <sup>2</sup> | ISO 180     |
| <b>Hardness</b>                                        |               |                   |             |
| Shore Hardness, (Shore D)                              | 68            |                   | ISO 868     |
| <b>Thermal</b>                                         |               |                   |             |
| Vicat Softening Temperature, (A (10N), 50 °C/h)        | 147           | °C                | ISO 306     |
| <b>Flammable</b>                                       |               |                   |             |
| Burning Rate                                           |               |                   |             |
| (2.00 mm)                                              | <100          | mm/min            | ISO 3795    |
| (2.00 mm)                                              | <100          | mm/min            | FMVSS 302   |

| 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    |