

**Grade: CHT1-UZ**

## Technical Data Sheet

**Type: Injection molding, 10% Talc Filled PP**  
**Application: interior or exterior trim components.**

| Properties                    | Test Method | Unit               | Values |
|-------------------------------|-------------|--------------------|--------|
| <b>Physical properties</b>    |             |                    |        |
| Density                       | EDS-T-7406  | gm/cm <sup>3</sup> | 0.97   |
| Melt Index (230°C, 2.16kg)    | EDS-T-7516  | gm/10min           | 14.5   |
| Filler                        | EDS-T-7301  | %                  | 10     |
| <b>Mechanical properties</b>  |             |                    |        |
| Tensile strength              | EDS-T-7511  | kg/cm <sup>2</sup> | 332    |
| Flexural strength             | EDS-T-7518  | kg/cm <sup>2</sup> | 544    |
| Impact strength, IZOD (23°C)  | EDS-T-7514  | kg cm/cm           | 7.8    |
| Impact strength, IZOD (-30°C) | EDS-T-7514  | kg cm/cm           | 2.8    |
| <b>Thermal properties</b>     |             |                    |        |
| HDT (4.6 kg/cm <sup>2</sup> ) | EDS-T-7520  | °C                 | 133    |

## *Processing Guide (Injection Molding)*

| Processing Parameters    |        | Unit               | Values    |
|--------------------------|--------|--------------------|-----------|
| Drying Temperature       |        | °C                 | 80        |
| Drying Time              |        | hrs                | 4         |
| Minimum Moisture Content |        | %                  | 0.01      |
| Melt Temperature         |        | °C                 | 210 ~ 240 |
| Cylinder Temperature     | Rear   | °C                 | 180 ~ 200 |
|                          | Middle | °C                 | 190 ~ 210 |
|                          | Front  | °C                 | 210       |
| Nozzle Temperature       |        | °C                 | 220       |
| Mold Temperature         |        | °C                 | 40 ~ 70   |
| Back Pressure            |        | kg/cm <sup>2</sup> | 300 ~ 600 |
| Screw Speed              |        | rpm                | 30 ~ 60   |