

# Daicel PP PT2N1

Polypropylene  
Daicel Polymer Ltd.

Message:

Daicel PP PT2N1 is a Polypropylene material filled with 10% talc. It is available in Asia Pacific. Primary attribute of Daicel PP PT2N1: Flame Rated.

| General Information                                |                           |                   |             |
|----------------------------------------------------|---------------------------|-------------------|-------------|
| UL YellowCard                                      | E47773-323948             |                   |             |
| Filler / Reinforcement                             | Talc,10% Filler by Weight |                   |             |
| Physical                                           | Nominal Value             | Unit              | Test Method |
| Density                                            | 0.970                     | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)          | 12                        | g/10 min          | ISO 1133    |
| Molding Shrinkage - Flow                           | 1.2 to 1.5                | %                 | ASTM D955   |
| Hardness                                           | Nominal Value             | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                        | 87                        |                   | ISO 2039-2  |
| Mechanical                                         | Nominal Value             | Unit              | Test Method |
| Tensile Stress (Yield)                             | 25.0                      | MPa               | ISO 527-2   |
| Flexural Modulus                                   | 1900                      | MPa               | ISO 178     |
| Flexural Stress                                    | 38.0                      | MPa               | ISO 178     |
| Impact                                             | Nominal Value             | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)              | 8.0                       | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                                            | Nominal Value             | Unit              | Test Method |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 110                       | °C                | ISO 75-2/B  |
| Flammability                                       | Nominal Value             |                   | Test Method |
| Flame Rating (BK)                                  | HB                        |                   | UL 94       |
| Injection                                          | Nominal Value             | Unit              |             |
| Drying Temperature                                 | 80.0 to 120               | °C                |             |
| Drying Time                                        | 3.0 to 5.0                | hr                |             |
| Rear Temperature                                   | 140 to 190                | °C                |             |
| Middle Temperature                                 | 160 to 210                | °C                |             |
| Front Temperature                                  | 180 to 230                | °C                |             |
| Nozzle Temperature                                 | 180 to 230                | °C                |             |
| Mold Temperature                                   | 40.0 to 60.0              | °C                |             |
| Back Pressure                                      | 5.00 to 20.0              | MPa               |             |
| Screw Speed                                        | 70 to 90                  | rpm               |             |

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

