

## SKYTRA 5250F

PET-GF43

SK Chemicals

| Rheological properties      | Value | Unit | Test Standard   |
|-----------------------------|-------|------|-----------------|
| <b>ISO Data</b>             |       |      |                 |
| Molding shrinkage, parallel | 0.2   | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal   | 0.7   | %    | ISO 294-4, 2577 |

| Mechanical Properties                  | Value | Unit | Test Standard |
|----------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                        |       |      |               |
| Tensile Modulus                        | 16500 | MPa  | ISO 527       |
| Yield stress                           | 160   | MPa  | ISO 527       |
| Strain at Break                        | 1.8   | %    | ISO 527       |
| Flexural Modulus (23°C)                | 14500 | MPa  | ISO 178       |
| Flexural strength                      | 210   | MPa  | ISO 178       |
| <b>ASTM Data</b>                       |       |      |               |
| Notched Impact Strength (Izod), 1/8 in | 110   | J/m  | ASTM D 256    |
| Impact Strength (Izod), 1/8 in         | 750   | J/m  | ASTM D 256    |

| Thermal Properties                        | Value | Unit  | Test Standard   |
|-------------------------------------------|-------|-------|-----------------|
| <b>ISO Data</b>                           |       |       |                 |
| Temp. of deflection under load (1.80 MPa) | 224   | °C    | ISO 75-1/-2     |
| Burning Behav. at thickness h             | V-0   | class | UL 94           |
| Thickness tested                          | 0.8   | mm    | -               |
| Burning Behav. 5V at Thickness h          | 5VA   | class | IEC 60695-11-20 |
| Thickness tested                          | 1.5   | mm    | -               |

| Other Properties | Value | Unit  | Test Standard |
|------------------|-------|-------|---------------|
| <b>ISO Data</b>  |       |       |               |
| Density          | 1790  | kg/m³ | ISO 1183      |

### Characteristics

#### Processing

Injection Molding

#### Special Characteristics

Flame retardant

#### Applications

Automotive, Electrical and Electronical