

# SCANTEC PC S60R GF10 V0

Polycarbonate

Polykemi AB

Message:

Glass fibre-reinforced Flame retardant

| General Information                      |                                  |                   |                |
|------------------------------------------|----------------------------------|-------------------|----------------|
| UL YellowCard                            | E122538-221307                   |                   |                |
| Filler / Reinforcement                   | Glass Fiber,10% Filler by Weight |                   |                |
| Additive                                 | Flame Retardant                  |                   |                |
| Features                                 | Flame Retardant                  |                   |                |
| UL File Number                           | E122538                          |                   |                |
| Physical                                 | Nominal Value                    | Unit              | Test Method    |
| Density                                  | 1.30                             | g/cm <sup>3</sup> | ISO 1183       |
| Molding Shrinkage                        |                                  |                   | ISO 294-4      |
| Across Flow                              | 0.60                             | %                 |                |
| Flow                                     | 0.20                             | %                 |                |
| Mechanical                               | Nominal Value                    | Unit              | Test Method    |
| Tensile Stress                           | 45.0                             | MPa               | ISO 527-2      |
| Tensile Strain (Break)                   | 7.0                              | %                 | ISO 527-2      |
| Flexural Modulus (23°C)                  | 3500                             | MPa               | ISO 178        |
| Flexural Stress                          | 120                              | MPa               | ISO 178        |
| Impact                                   | Nominal Value                    | Unit              | Test Method    |
| Charpy Notched Impact Strength           |                                  |                   | ISO 179        |
| -20°C                                    | 7.0                              | kJ/m <sup>2</sup> |                |
| 23°C                                     | 7.0                              | kJ/m <sup>2</sup> |                |
| Thermal                                  | Nominal Value                    | Unit              | Test Method    |
| Heat Deflection Temperature <sup>1</sup> |                                  |                   |                |
| 0.45 MPa, Unannealed                     | 140                              | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                      | 131                              | °C                | ISO 75-2/A     |
| Vicat Softening Temperature              | 143                              | °C                | ISO 306/B50    |
| Flammability                             | Nominal Value                    | Unit              | Test Method    |
| Flame Rating (1.60 mm)                   | V-0                              |                   | UL 94          |
| Glow Wire Ignition Temperature (2.00 mm) | 960                              | °C                | IEC 60695-2-13 |
| NOTE                                     |                                  |                   |                |
| 1.                                       | 120°C/hr                         |                   |                |

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