

# SCANAMID 6 B22^E F20

Polyamide 6

Polykemi AB

Message:

Glass fibre-reinforced, Modified

| General Information                      |      |                                  |                   |                |
|------------------------------------------|------|----------------------------------|-------------------|----------------|
| Filler / Reinforcement                   |      | Glass Fiber,20% Filler by Weight |                   |                |
| Physical                                 | Dry  | Conditioned                      | Unit              | Test Method    |
| Density                                  | 1.27 | --                               | g/cm <sup>3</sup> | ISO 1183       |
| Molding Shrinkage                        |      |                                  |                   | ISO 294-4      |
| Across Flow                              | 0.90 | --                               | %                 |                |
| Flow                                     | 0.40 | --                               | %                 |                |
| Mechanical                               | Dry  | Conditioned                      | Unit              | Test Method    |
| Tensile Stress                           | 130  | 100                              | MPa               | ISO 527-2      |
| Tensile Strain (Break)                   | 4.0  | 7.0                              | %                 | ISO 527-2      |
| Flexural Modulus (23°C)                  | 6400 | 4000                             | MPa               | ISO 178        |
| Flexural Stress                          | 200  | 130                              | MPa               | ISO 178        |
| Impact                                   | Dry  | Conditioned                      | Unit              | Test Method    |
| Charpy Notched Impact Strength (23°C)    | 12   | 16                               | kJ/m <sup>2</sup> | ISO 179        |
| Thermal                                  | Dry  | Conditioned                      | Unit              | Test Method    |
| Heat Deflection Temperature <sup>1</sup> |      |                                  |                   |                |
| 0.45 MPa, Unannealed                     | 210  | --                               | °C                | ISO 75-2/B     |
| 1.8 MPa, Unannealed                      | 190  | --                               | °C                | ISO 75-2/A     |
| Vicat Softening Temperature              | 200  | --                               | °C                | ISO 306/B50    |
| Flammability                             | Dry  | Conditioned                      | Unit              | Test Method    |
| Flame Rating (1.60 mm)                   | HB   | --                               |                   | UL 94          |
| Glow Wire Ignition Temperature (2.00 mm) | 650  | --                               | °C                | IEC 60695-2-13 |
| NOTE                                     |      |                                  |                   |                |

1. 120°C/hr

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