

# POLYblend PC/ABS 45FS GK25

Polycarbonate + ABS

Polykemi AB

Message:

PC/ABS-blend Glass-reinforced

| General Information                      |                                  |                   |             |
|------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                   | Glass Fiber,25% Filler by Weight |                   |             |
| Physical                                 | Nominal Value                    | Unit              | Test Method |
| Density                                  | 1.24                             | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                               | Nominal Value                    | Unit              | Test Method |
| Tensile Stress                           | 27.0                             | MPa               | ISO 527-2   |
| Tensile Strain (Break)                   | 5.0                              | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                  | 3000                             | MPa               | ISO 178     |
| Flexural Stress                          | 57.0                             | MPa               | ISO 178     |
| Impact                                   | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength           |                                  |                   | ISO 179     |
| -20°C                                    | 3.0                              | kJ/m <sup>2</sup> |             |
| 23°C                                     | 3.0                              | kJ/m <sup>2</sup> |             |
| Thermal                                  | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature <sup>1</sup> |                                  |                   |             |
| 0.45 MPa, Unannealed                     | 101                              | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                      | 95.0                             | °C                | ISO 75-2/A  |
| Vicat Softening Temperature              |                                  |                   |             |
| --                                       | 108                              | °C                | ISO 306/A50 |
| --                                       | 100                              | °C                | ISO 306/B50 |
| NOTE                                     |                                  |                   |             |
| 1.                                       | 120°C/hr                         |                   |             |

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