

# NYLEM® 6 GFR 20 IM

Polyamide 6

EMAS Plastik San.Tic.AS.

## Message:

Polyamide 6, %20 glass fiber reinforced, impact modified

| General Information                               |                 |                   |             |
|---------------------------------------------------|-----------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber     |                   |             |
| Additive                                          | Impact Modifier |                   |             |
| Features                                          | Impact Modified |                   |             |
| Physical                                          | Nominal Value   | Unit              | Test Method |
| Density                                           | 1.20 to 1.24    | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 | 0.45 to 0.60    | %                 |             |
| Hardness                                          | Nominal Value   | Unit              | Test Method |
| Shore Hardness (Shore D)                          | 75 to 80        |                   | ISO 868     |
| Mechanical                                        | Nominal Value   | Unit              | Test Method |
| Tensile Modulus                                   | 4500 to 7000    | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                            | 60.0 to 90.0    | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | > 10            | %                 | ISO 527-2   |
| Impact                                            | Nominal Value   | Unit              | Test Method |
| Notched Izod Impact Strength                      | > 15            | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                           | Nominal Value   | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 190             | °C                | ISO 75-2/A  |
| Vicat Softening Temperature                       | 215             | °C                | ISO 306/B   |
| Melting Temperature (DSC)                         | 220             | °C                | ISO 3146    |

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