

# NYLEM® 66 GFR 25 FR V0

Polyamide 66

EMAS Plastik San.Tic.AS.

## Message:

Polyamide 66, %25 glass fiber reinforced, V0 flammability

| General Information                               |               |                   |             |
|---------------------------------------------------|---------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber   |                   |             |
| Physical                                          | Nominal Value | Unit              | Test Method |
| Density                                           | 1.36 to 1.40  | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 | 0.25 to 0.35  | %                 |             |
| Hardness                                          | Nominal Value | Unit              | Test Method |
| Shore Hardness (Shore D)                          | 75 to 80      |                   | ISO 868     |
| Mechanical                                        | Nominal Value | Unit              | Test Method |
| Tensile Modulus                                   | 5500 to 8000  | MPa               | ISO 527-2   |
| Tensile Stress (Yield)                            | 140 to 160    | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | > 3.0         | %                 | ISO 527-2   |
| Impact                                            | Nominal Value | Unit              | Test Method |
| Notched Izod Impact Strength                      | > 7.0         | kJ/m <sup>2</sup> | ISO 180/1A  |
| Thermal                                           | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 255           | °C                | ISO 75-2/A  |
| Vicat Softening Temperature                       | 250           | °C                | ISO 306/B   |
| Melting Temperature (DSC)                         | 265           | °C                | ISO 3146    |
| Flammability                                      | Nominal Value | Unit              | Test Method |
| Flame Rating                                      | V-0           |                   | UL 94       |
| Glow Wire Ignition Temperature                    | 960           | °C                | VDE 0471/2  |

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### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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