# SAXAMID™ 226F6RY01

Polyamide 66

SAX Polymers

## Message:

SAXAMID 226F6RY01 is a polyamide 6.6 injection-molding-grade reinforced with 30 % glass fibres. This grade is equipped with a halogeneous-free flame retardant.

| General Information | | | |
|---|---|---|---|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | | |
| Additive | Flame Retardant | | |
| Features | Flame Retardant<br>Halogen Free | | |
| RoHS Compliance | RoHS Compliant | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.38 | g/cm³ | ISO 1183 |
| Viscosity Number (H2SO4 (Sulphuric Acid)) | 150 | cm³/g | ISO 307 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 10500 | MPa | ISO 527-2/1 |
| Tensile Stress (Break) | 131 | MPa | ISO 527-2/5 |
| Tensile Strain (Break) | 2.0 | % | ISO 527-2/5 |
| Flexural Modulus [1] | 8500 | MPa | ISO 178 |
| Flexural Stress [2] | 198 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179/1eA |
| -30°C | 6.0 | kJ/m² | |
| 23°C | 7.0 | kJ/m² | |
| Charpy Unnotched Impact Strength | | | ISO 179/1eU |
| -30°C | 48 | kJ/m² | |
| 23°C | 54 | kJ/m² | |
| Notched Izod Impact Strength | | | ISO 180/1A |
| -30°C | 7.5 | kJ/m² | |
| 23°C | 8.0 | kJ/m² | |
| Unnotched Izod Impact Strength | | | ISO 180/1U |
| -30°C | 45 | kJ/m² | |
| 23°C | 46 | kJ/m² | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature [3] (1.8 MPa, Unannealed, 60.0 mm Span) | 243 | °C | ISO 75-2/A |
| Vicat Softening Temperature | 253 | °C | ISO 306/B120 |

| Electrical | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Comparative Tracking Index (Solution A) | > 600 | V | IEC 60112 |
| **Flammability** | **Nominal Value** | **Unit** | **Test Method** |
| Flame Rating (0.800 mm) | V-0 | | UL 94 |
| Glow Wire Flammability Index (2.00 mm) | 960 | °C | IEC 60695-2-12 |
| Glow Wire Ignition Temperature (1.00 mm) | 750 | °C | IEC 60695-2-13 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 80.0 | °C | |
| Drying Time | 2.0 to 6.0 | hr | |
| Suggested Max Moisture | 0.20 | % | |
| Processing (Melt) Temp | 280 to 295 | °C | |
| Mold Temperature | 70.0 to 90.0 | °C | |
| **NOTE** | | | |
| 1. | 2.0 mm/min | | |
| 2. | 2.0 mm/min | | |
| 3. | 80*10*4mm | | |



## Recommended distributors for this material

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