# Wellamid® 22L-N

Polyamide 66

Wellman Engineering Resins

## Message:

Wellamid® 22L-N is a Polyamide 66 (Nylon 66) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.
Primary attribute of Wellamid® 22L-N: Flame Rated.
Typical application of Wellamid® 22L-N: Automotive

| General Information | | | |
|---|---|---|---|
| UL YellowCard | E44600-235482 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.14 | g/cm³ | ISO 1183 |
| Molding Shrinkage | | | ISO 294-4 |
| Across Flow : 23°C | 2.0 to 2.4 | % | |
| Flow : 23°C | 1.8 to 2.2 | % | |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Stress (Yield, 23°C) | 80.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, 23°C) | 50 | % | ISO 527-2 |
| Flexural Modulus (23°C) | 2800 | MPa | ISO 178 |
| Flexural Stress (23°C) | 110 | MPa | ISO 178 |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Notched Izod Impact Strength (23°C) | 6.0 | kJ/m² | ISO 180 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 70.0 | °C | ISO 75-2/A |
| Melting Temperature (DSC) | 260 | °C | ISO 3146 |
| **Flammability** | **Nominal Value** | | **Test Method** |
| Flame Rating (0.750 mm) | V-2 | | UL 94 |
| **Injection** | **Nominal Value** | **Unit** | |
| Drying Temperature | 79.4 | °C | |
| Drying Time | 2.0 to 4.0 | hr | |
| Suggested Max Moisture | 0.20 | % | |
| Rear Temperature | 277 to 293 | °C | |
| Middle Temperature | 271 to 288 | °C | |
| Front Temperature | 266 to 282 | °C | |
| Nozzle Temperature | 266 to 293 | °C | |
| Processing (Melt) Temp | 271 to 304 | °C | |
| Mold Temperature | 71.1 to 93.3 | °C | |
| Injection Pressure | 34.5 to 138 | MPa | |

| | | |
|---|---|---|
| Back Pressure | 0.345 | MPa |
| Screw Speed | 30 to 120 | rpm |



Recommended distributors for this material

## 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