# Terblend® N NM-19XP

Acrylonitrile Butadiene Styrene + Nylon

INEOS Styrolution Group GmbH

## Message:

Terblend N NM-19XP is an ABS/PA blend with excellent impact toughness, very good flowability and UV-stabilization.

| General Information | | | |
|---|---|---|---|
| Additive | UV Stabilizer | | |
| Features | Good Processability<br>Good UV Resistance<br>High Flow<br>High Impact Resistance | | |
| Uses | Automotive Applications<br>Automotive Interior Parts | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 1.07 | g/cm³ | ISO 1183 |
| Melt Volume-Flow Rate (MVR) (240°C/10.0 kg) | 40.0 | cm³/10min | ISO 1133 |
| Molding Shrinkage | 0.80 | % | ISO 294-4 |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 1.2 | % | ISO 62 |
| **Hardness** | **Nominal Value** | **Unit** | **Test Method** |
| Ball Indentation Hardness | 86.0 | MPa | ISO 2039-1 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Modulus | 2000 | MPa | ISO 527-2 |
| Tensile Stress (Yield, 23°C) | 43.0 | MPa | ISO 527-2 |
| Tensile Strain (Yield, 23°C) | 3.5 | % | ISO 527-2 |
| Flexural Modulus | 1800 | MPa | ISO 178 |
| Flexural Stress | 62.0 | MPa | ISO 178 |
| **Films** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Elongation - MD (Break) | 30 | % | |
| **Impact** | **Nominal Value** | **Unit** | **Test Method** |
| Charpy Notched Impact Strength | | | ISO 179 |
| -30°C | 15 | kJ/m² | |
| 23°C | 65 | kJ/m² | |
| Notched Izod Impact Strength | | | ISO 180/A |
| -30°C | 15 | kJ/m² | |

| | | | |
|---|---|---|---|
| 23°C | 65 | kJ/m² | |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Heat Deflection Temperature | | | |
| 0.45 MPa, Annealed | 85.0 | °C | ISO 75-2/B |
| 1.8 MPa, Annealed | 65.0 | °C | ISO 75-2/A |
| Vicat Softening Temperature | | | |
| -- | 160 | °C | ISO 306/A50 |
| -- | 102 | °C | ISO 306/B50 |
| CLTE - Flow | 1.0E-4 | cm/cm/°C | ISO 11359-2 |
| **Electrical** | **Nominal Value** | **Unit** | **Test Method** |
| Surface Resistivity | 1.0E+14 | ohms | IEC 60093 |
| Volume Resistivity | > 1.0E+15 | ohms·cm | IEC 60093 |
| Relative Permittivity (1 MHz) | 2.90 | | IEC 60250 |
| Dissipation Factor (1 MHz) | 0.015 | | IEC 60250 |
| **Injection** | **Nominal Value** | **Unit** | |
| Processing (Melt) Temp | 240 to 270 | °C | |
| Mold Temperature | 40.0 to 80.0 | °C | |



## Recommended distributors for this material

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