# Nanoblend™ EXP LST 5601 Black

## Polypropylene

### Key Characteristics

| Product Description |
|---|
| Nanoblend compounds are LIGHT, STIFF AND TOUGH. Using nanoclay technology, these compounds deliver a combination of high stiffness and impact resistance to meet demanding structural and durability requirements. At the same time, they offer the light weight, aesthetic and processing advantages that are more typical of polyolefins. |

| General | |
|---|---|
| Material Status | • Commercial: Active |
| Regional Availability | • North America |
| Filler / Reinforcement | • Clay Nano |
| Forms | • Pellets |

### Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 0.950 | 0.950 | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 14 g/10 min | 14 g/10 min | ASTM D1238 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Flexural Modulus | 320000 psi | 2210 MPa | ASTM D790 |
| **Thermal** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 psi (0.45 MPa), Unannealed | 223 °F | 106 °C | |

**Notes**

[1] Typical values are not to be construed as specifications.

*Beyond Polymers.*

*Better Business Solutions.* SM