

Product Texts

Opaque EXL, UV-Stabilized & light shielding capability (Wall thickness >0.8mm), for portable electronics device enclosure application. Only available in white, grey and limited pastel colors. Consult CIC or PM for color availability & limitation.

UL Yellow Card Link [E207780-642296](https://www.ul.com/yellow-card/E207780-642296)

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------------------------|---------------|
| ISO Data | | | |
| Melt volume-flow rate, MVR | 10 | cm ³ /10min | ISO 1133 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |
| ASTM Data | | | |
| Melt Flow Index, MFI | 11 | g/10min | ASTM D 1238 |
| Temperature | 300 | °C | - |
| Load | 1.2 | kg | - |

| Mechanical properties | Value | Unit | Test Standard |
|--|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 2000 | MPa | ISO 527 |
| Yield stress | 52 | MPa | ISO 527 |
| Yield strain | 5 | % | ISO 527 |
| Stress at break | 47 | MPa | ISO 527 |
| Strain at break | 50 | % | ISO 527 |
| Flexural modulus | 2110 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 55 | kJ/m ² | ISO 179/1eA |
| Izod notched impact strength, +23°C, 4mm | 56 | kJ/m ² | ISO 180/1A |
| Izod notched impact strength, -30°C, 4mm | 46 | kJ/m ² | ISO 180/1A |
| ASTM Data | | | |
| Tensile Modulus | 2030 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 52 | MPa | ASTM D 638 |
| Tensile Strength at Break | 54 | MPa | ASTM D 638 |
| Elongation at Yield | 5 | % | ASTM D 638 |
| Elongation at Break | 84 | % | ASTM D 638 |
| Flexural Modulus | 2050 | MPa | ASTM D 790 |
| Izod Impact notched, 1/8 in | 766 | J/m | ASTM D 256 |
| Izod Impact notched, Low-Temperature | 640 | J/m | ASTM D 256 |
| Temperature | -30 | °C | - |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Temp. of deflection under load, 1.80 MPa | 118 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 138 | °C | ISO 306 |
| Vicat softening temperature, 120°C/h 50N | 146 | °C | ISO 306 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |
| Thickness tested | 0.4 | mm | - |
| ASTM Data | | | |
| DTUL @ 264 psi | 121 | °C | ASTM D 648 |
| Vicat Temperature | 138 | °C | ASTM D 1525 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Water absorption | 0.17 | % | Sim. to ISO 62 |
| Humidity absorption | 0.07 | % | Sim. to ISO 62 |
| Density | 1280 | kg/m ³ | ISO 1183 |
| Density | 1280 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-------|------|---------------|
| Pre-drying - Temperature | 120 | °C | - |
| Pre-drying - Time | 3 - 4 | h | - |
| Processing humidity | ≤0.02 | % | - |

| | | | |
|------------------|------------------|----|---|
| Melt temperature | 295 - 315 | °C | - |
| Mold temperature | 70 - 95 | °C | - |
| Feed temperature | 60 - 80 | °C | - |
| Zone 1 | 260 - 280 | °C | - |
| Zone 2 | 280 - 305 | °C | - |
| Zone 3 | 295 - 315 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

Asia Pacific

Applications

Automotive