

LEXAN™ RESIN EX6681T

REGION EUROPE

DESCRIPTION

LEXAN™ EX6681T is a coextrusion product which is UV stabilized for good outdoor weathering of LEXAN™ sheet and excellent processing.

TYPICAL PROPERTY VALUES

Revision 20200226

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|---------------------------------------|----------------|-------------------------|--------------|
| MECHANICAL | | | |
| Tensile Stress, yield, 50 mm/min | 63 | MPa | ISO 527 |
| Tensile Stress, break, 50 mm/min | 70 | MPa | ISO 527 |
| Tensile Strain, yield, 50 mm/min | 6 | % | ISO 527 |
| Tensile Strain, break, 50 mm/min | 120 | % | ISO 527 |
| Tensile Modulus, 1 mm/min | 2350 | MPa | ISO 527 |
| Flexural Stress, yield, 2 mm/min | 90 | MPa | ISO 178 |
| Flexural Modulus, 2 mm/min | 2300 | MPa | ISO 178 |
| THERMAL | | | |
| Vicat Softening Temp, Rate B/120 | 135 | °C | ISO 306 |
| PHYSICAL | | | |
| Density | 1.2 | g/cm ³ | ISO 1183 |
| Melt Volume Rate, MVR at 300°C/1.2 kg | 10 | cm ³ /10 min | ISO 1133 |
| PROFILE EXTRUSION | | | |
| Drying Temperature | 105 | °C | |
| Drying Time | 2 – 3 | Hrs | |
| Melt Temperature | 220 – 250 | °C | |
| Barrel - Zone 1 Temperature | 240 – 280 | °C | |
| Barrel - Zone 2 Temperature | 240 – 280 | °C | |
| Barrel - Zone 3 Temperature | 220 – 240 | °C | |
| Barrel - Zone 4 Temperature | 220 – 240 | °C | |
| Hopper Temperature | 60 – 80 | °C | |
| Adapter Temperature | 220 – 240 | °C | |
| Die Temperature | 245 – 290 | °C | |
| Calibrator Temperature | 60 – 100 | °C | |

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