

LEXAN™ RESIN EX7681T

REGION EUROPE

DESCRIPTION

LEXAN™ EX7681T resin is a highly UV stabilized polycarbonate, MVR of 10. Suitable for co-extrusion / cap layers. Exhibits low plate out and improved outdoor weathering on PC sheets.

TYPICAL PROPERTY VALUES

Revision 20201125

| 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 | |

DISCLAIMER

Any sale by SABIC, its subsidiaries and affiliates (each a "seller"), is made exclusively under seller's standard conditions of sale (available upon request) unless agreed otherwise in writing and signed on behalf of the seller. While the information contained herein is given in good faith, SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND NONINFRINGEMENT OF INTELLECTUAL PROPERTY, NOR ASSUMES ANY LIABILITY, DIRECT OR INDIRECT, WITH RESPECT TO THE PERFORMANCE, SUITABILITY OR FITNESS FOR INTENDED USE OR PURPOSE OF THESE PRODUCTS IN ANY APPLICATION. Each customer must determine the suitability of seller materials for the customer's particular use through appropriate testing and analysis. No statement by seller concerning a possible use of any product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right.