|  |  |
| --- | --- |
| Component - Plastics | **E231513** |
| [[guide info]](http://database.ul.com/cgi-bin/XYV/cgifind/LISEXT/1FRAME/srchres.html?collection=/data3/verity_collections/lisext&amp;vdkhome=/data3/verity_sw_rev24/common&SORT_BY=textlines:asc,ccnshorttitle:asc&query=QMFZ*+%3cIN%3eCCN+and+GUIDEINFO%22) |  |  |
| **S POLYTECH CO LTD** |
| 275 Hansam-ro, Deoksan-myeon, Jincheon-gun Chungcheongbuk-do 27850 KR |
| **EXEET FINE PC, KIREX FINE** |
| Polycarbonate (PC), furnished as sheets |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Min Thk | Flame |  |  | RTI | RTI | RTI |
| Color | (mm) | Class | HWI | HAI | Elec | Imp | Str |
| NC | 0.178 | VTM-2 | - | - | 80 | 80 | 80 |
|  | 0.20-0.24 | VTM-1 | - | - | 80 | 80 | 80 |
|  | 0.25 | V-2 | - | - | 80 | 80 | 80 |
|  | 0.38 | V-2 | - | - | 80 | 80 | 80 |
|  | 0.50 | V-2 | - | - | 80 | 80 | 80 |
|  | 0.70 | V-2 | - | - | 80 | 80 | 80 |
|  | 1.00 | V-2 | - | - | 80 | 80 | 80 |
|  | 1.50-1.65 | V-2 | - | - | 80 | 80 | 80 |

|  |  |  |  |
| --- | --- | --- | --- |
| Comparative Tracking Index (CTI): | - | Inclined Plane Tracking (IPT): | - |
| Dielectric Strength (kV/mm): | - | Volume Resistivity (10x ohm-cm): | - |
| High-Voltage Arc Tracking Rate (HVTR): | - | High Volt, Low Current Arc Resis (D495): | - |
| Dimensional Stability (%): | - |  |  |

|  |
| --- |
| ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL. |

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| Report Date: | 2003-01-15 | © 2017 UL LLC | http://iq.ul.com/ul/img/cruus.gif |
| Last Revised: | 2013-07-19 |

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| **IEC and ISO Test Methods** |
| Test Name | Test Method | Units | Thk (mm) | Value |
| Flammability | ISO 9773, IEC 60695-11-10 | Class (color) | 0.178 | VTM-2 (NC) |
|  |  |  | 0.20-0.24 | VTM-1 (NC) |
|  |  |  | 0.25 | V-2 (NC) |
|  |  |  | 0.38 | V-2 (NC) |
|  |  |  | 0.50 | V-2 (NC) |
|  |  |  | 0.70 | V-2 (NC) |
|  |  |  | 1.00 | V-2 (NC) |
|  |  |  | 1.50-1.65 | V-2 (NC) |
| Glow-Wire Flammability (GWFI) | IEC 60695-2-12 | °C | - | - |
| Glow-Wire Ignition (GWIT) | IEC 60695-2-13 | °C | - | - |
| IEC Comparative Tracking Index | IEC 60112 | Volts (Max) | - | - |
| IEC Ball Pressure | IEC 60695-10-2 | °C | - | - |
| ISO Heat Deflection (1.80 MPa) | ISO 75-2 | °C | - | - |
| ISO Tensile Strength | ISO 527-2 | MPa | - | - |
| ISO Flexural Strength | ISO 178 | MPa | - | - |
| ISO Tensile Impact | ISO 8256 | kJ/m2 | - | - |
| ISO Izod Impact | ISO 180 | kJ/m2 | - | - |
| ISO Charpy Impact | ISO 179-2 | kJ/m2 | - | - |