



Transparent, standard flow Polyetherimide (Tg 217C). ECO Conforming, UL94 V0 and 5VA listing. US FDA and EU Food Contact compliant, NSF 51 listing. Effective June, 2007 this grade will no longer be supported with biocompatibility information and should not be used for medical applications which require biocompatibility. Alternative grade HU1000.

| TYPICAL PROPERTIES 1                          | TYPICAL VALUE | UNIT                | STANDARD    |
|---|---------------|---------------------|-------------|
| MECHANICAL                                    |               |                     |             |
| Tensile Stress, yld, Type I, 5 mm/min         | 1120          | kgf/cm <sup>2</sup> | ASTM D 638  |
| Tensile Strain, yld, Type I, 5 mm/min         | 7             | %                   | ASTM D 638  |
| Tensile Strain, brk, Type I, 5 mm/min         | 60            | %                   | ASTM D 638  |
| Tensile Modulus, 5 mm/min                     | 36500         | kgf/cm <sup>2</sup> | ASTM D 638  |
| Flexural Stress, yld, 2.6 mm/min, 100 mm span | 1680          | kgf/cm <sup>2</sup> | ASTM D 790  |
| Flexural Modulus, 2.6 mm/min, 100 mm span     | 35800         | kgf/cm <sup>2</sup> | ASTM D 790  |
| Hardness, Rockwell M                          | 109           | -                   | ASTM D 785  |
| Taber Abrasion, CS-17, 1 kg                   | 10            | mg/1000cy           | ASTM D 1044 |
| IMPACT  |               |                     |             |
| Izod Impact, unnotched, 23°C                  | 136           | cm-kgf/cm           | ASTM D 4812 |
| Izod Impact, notched, 23°C                    | 5             | cm-kgf/cm           | ASTM D 256  |
| Izod Impact, Reverse Notched, 3.2 mm          | 136           | cm-kgf/cm           | ASTM D 256  |
| Gardner, 23°C                                 | 373           | cm-kgf              | ASTM D 3029 |
| THERMAL                                       |               |                     |             |
| Vicat Softening Temp, Rate B/50               | 218           | °C                  | ASTM D 1525 |
| HDT, 0.45 MPa, 6.4 mm, unannealed             | 210           | °C                  | ASTM D 648  |
| HDT, 1.82 MPa, 6.4 mm, unannealed             | 201           | °C                  | ASTM D 648  |
| CTE, -20°C to 150°C, flow                     | 5.58E-05      | 1/°C                | ASTM E 831  |
| CTE, -20°C to 150°C, xflow                    | 5.4E-05       | 1/°C                | ASTM E 831  |
| Thermal Conductivity                          | 0.22          | W/m-°C              | ASTM C 177  |
| Relative Temp Index, Elec                     | 170           | °C                  | UL 746B     |
| Relative Temp Index, Mech w/impact            | 170           | °C                  | UL 746B     |
| Relative Temp Index, Mech w/o impact          | 170           | °C                  | UL 746B     |

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4) Own measurement according to UL.

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| TYPICAL PROPERTIES 1                  | TYPICAL VALUE | UNIT     | STANDARD     |
|---------------------------------------|---------------|----------|--------------|
| PHYSICAL                              |               |          |              |
| Specific Gravity                      | 1.27          | -        | ASTM D 792   |
| Water Absorption, 24 hours            | 0.25          | %        | ASTM D 570   |
| Water Absorption, equilibrium, 23C    | 1.25          | %        | ASTM D 570   |
| Mold Shrinkage, flow, 3.2 mm          | 0.5 - 0.7     | %        | SABIC Method |
| Melt Flow Rate, 337°C/6.6 kgf         | 9             | g/10 min | ASTM D 1238  |
| Poisson's Ratio                       | 0.3           | -        | ASTM D 638   |
| ELECTRICAL                            |               |          |              |
| Volume Resistivity                    | 1.E+17        | Ohm-cm   | ASTM D 257   |
| Dielectric Strength, in air, 1.6 mm   | 32.7          | kV/mm    | ASTM D 149   |
| Dielectric Strength, in oil, 1.6 mm   | 27.9          | kV/mm    | ASTM D 149   |
| Dielectric Strength, in oil, 3.2 mm   | 19.6          | kV/mm    | ASTM D 149   |
| Relative Permittivity, 100 Hz         | 3.15          | -        | ASTM D 150   |
| Relative Permittivity, 1 kHz          | 3.15          | -        | ASTM D 150   |
| Dissipation Factor, 100 Hz            | 0.0015        | -        | ASTM D 150   |
| Dissipation Factor, 1 kHz             | 0.0012        | -        | ASTM D 150   |
| Dissipation Factor, 2450 MHz          | 0.0025        | -        | ASTM D 150   |
| Arc Resistance, Tungsten {PLC}        | 5             | PLC Code | ASTM D 495   |
| Hot Wire Ignition (PLC)               | 1             | PLC Code | UL 746A      |
| High Voltage Arc Track Rate {PLC}     | 2             | PLC Code | UL 746A      |
| High Ampere Arc Ign, surface {PLC}    | 3             | PLC Code | UL 746A      |
| Comparative Tracking Index (UL) {PLC} | 4             | PLC Code | UL 746A      |
| FLAME CHARACTERISTICS                 |               |          |              |
| CSA (See File for complete listing)   | LS88480       | File No. | CSA LISTED   |
| Oxygen Index (LOI)                    | 47            | %        | ASTM D 2863  |
| NBS Smoke Density, Flaming, Ds 4 min  | 0.7           | -        | ASTM E 662   |

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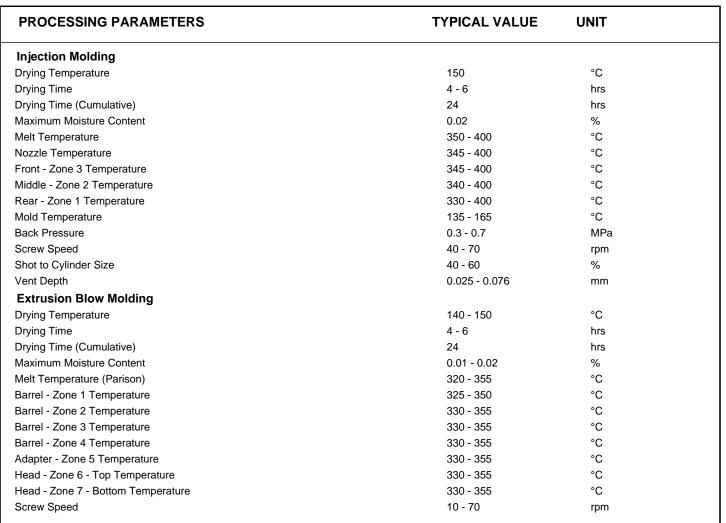
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• DO NOT purge with low melting styrene or acrylic resins.

• Up to 30% Regrind has been successfully reprocessed.

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| PROCESSING PARAMETERS  | TYPICAL VALUE UNIT |
|------------------------|--------------------|
| Extrusion Blow Molding |                    |
| Mold Temperature       | 65 - 175 °C        |
| Die Temperature        | 325 - 355 °C       |

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