

Electroplating ABS POLYLAC® Characteristics PA-727

Product Description: Medium flow, Medium impact

| Properties | ISO Test Method | Test Condition | Unit | Electroplating PA-727 |
|-----------------------------------------|-----------------|--------------------|-------------------|------------------------|
| Melt Flow Index | 1133 | 220°C × 10KG | ml/10 min | 19 |
| Mass Density | 1183 | 23 °C | g/cm ³ | 1.05 |
| Tensile Strength | 527 | 50 mm/min, yield | MPa | 46 |
| | | 50 mm/min, break | MPa | 34 |
| Tensile Elongation | 527 | 50 mm/min | % | 25 |
| Flexural Strength | 178 | 2 mm/min | MPa | 71 |
| Flexural Modulus | | 2 mm/min | GPa | 2 |
| Izod Impact Strength | 180/1A | 23 °C Notched | KJ/m ² | 24 |
| | | -30 °C Notched | KJ/m ² | 11 |
| Charpy Impact Strength | 179 | 23 °C Notched | KJ/m ² | 25 |
| | | -30 °C Notched | KJ/m ² | 12 |
| Vicat Softening Temp. | 306 | 1 Kg, 50 °C/hr | °C | 105 |
| | | 5 Kg, 50 °C/hr | °C | 98 |
| Heat Distortion Temp. | 75/A | 1.8 MPa Unannealed | °C | 83 |
| | | 1.8 MPa Annealed | °C | 100 |
| Coefficient of Linear Thermal Expansion | 11359 | - | - | 8.8 x 10 ⁻⁵ |
| Flammability | - | UL-94 | - | 1.5mm HB |
| Mold Shrinkage | 294-4 | - | % | 0.4~0.7 |
| Symbol | 1043 | - | - | >ABS< |

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Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

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