



Medical ABS POLYLAC® PA-704LRP

Product Description: Low residual monomer, medical application

| Properties | ISO Test Method | Test Condition | Unit | PA-704LRP |
|--|-----------------|--------------------------|-------------------|------------------------|
| Melt Flow Index | 1133 | 220°C×10KG | ml/10 min | 17 |
| Mass Density | 1183 | 23 °C | g/cm ³ | 1.05 |
| Tensile Strength | 527 | 50 mm/min, yield | MPa | 47 |
| | | 50 mm/min, break | MPa | 34 |
| Tensile Elongation | 527 | 50 mm/min | % | 70 |
| Flexural Strength | 178 | 2 mm/min | MPa | 76 |
| Flexural Modulus | | 2 mm/min | GPa | 2.2 |
| Izod Impact Strength | 180/1A | 23°C, Notched | KJ/m ² | 19 |
| | | -30°C, Notched | KJ/m ² | 9 |
| Charpy Impact Strength | 179 | 23°C, Notched | KJ/m ² | 21 |
| | | Charpy -30°C, Notched | KJ/m ² | 10 |
| Vicat Softening Temp. | 306 | 50°C/hr;1KG | °C | 104 |
| | | 50°C/hr;5KG | °C | 100 |
| Heat Distortion Temp. | 75/A | 1.8MPa, unannealed | °C | 83 |
| | | 1.8MPa, annealed | °C | 98 |
| Coefficient of Linear Thermal Expansion | 11359 | - | - | 8.6 x 10 ⁻⁵ |
| Flammability | - | UL-94 | - | 1.5mm HB |
| Mold Shrinkage | 294-4 | - | % | 0.4~0.7 |
| Symbol | 1043 | - | - | >ABS< |