

Extrusion ABS POLYLAC® PA-747S

Product Description: High impact, Extrusion

| Properties | ISO Test Method | Test Condition | Unit | PA-747S |
|---|-----------------|--------------------|-------------------|------------|
| Melt Flow Index | 1133 | 220°C×10KG | ml/10 min | 6 |
| Mass Density | 1183 | 23 °C | g/cm ³ | 1.03 |
| Tensile Strength | 527 | 50 mm/min, yield | MPa | 40 |
| | | 50 mm/min, break | MPa | 30 |
| Tensile Elongation | 527 | 50 mm/min | % | 40 |
| Flexural Strength | 178 | 2 mm/min | MPa | 57 |
| Flexural Modulus | | 2 mm/min | GPa | 1.7 |
| Izod Impact Strength | 180/1A | 23 °C Notched | KJ/m ² | 34 |
| | | -30 °C Notched | KJ/m ² | 23 |
| Charpy Impact Strength | 179 | 23 °C Notched | KJ/m ² | 36 |
| | | -30 °C Notched | KJ/m ² | 25 |
| Vicat Softening Temp. | 306 | 1 Kg,50 °C/hr | °C | 103 |
| | | 5 Kg,50 °C/hr | °C | 98 |
| Heat Distortion Temp. | 75/A | 1.8 MPa Unannealed | °C | 81 |
| | | 1.8 MPa Annealed | °C | 96 |
| Coefficient of Linear Thermal Expansion | 11359 | - | - | 9.2 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 test

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