



Sun Prosper Chemicals Limited

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J801R is injection homopolymer having excellent processability, superior stiffness, and good long-term heat resistance. It can be used in electronic parts because they are approved by UL 746B (120°C) RTI test, the long-term heat resistance test. Also It is approved by UL 94HB.

Applications : Small-sized home appliances, Household utensils

| PROPERTIES | TEST METHOD | UNIT | J801R |
|--|-------------|--------------------|----------|
| Melt index | ASTM D1238 | g/10 min | 18 |
| Tensile strength(yield) | ASTM D638 | kg/cm ² | 420 |
| Elongation(Break) | ASTM D638 | % | 200 |
| Flexural Modulus | ASTM D790 | kg/cm ² | 20,500 |
| Izod Impact strength | 23°C | | 3.5 |
| | -10°C | ASTM D256 | kg·cm/cm |
| Rockwell hardness | ASTM D785 | R-Scale | 105 |
| Vicat Softening Point | ASTM D1525 | °C | 154 |
| Heat-Deflection temperature(4.6kg/cm ²) | ASTM D648 | °C | 125 |

* The data are relative and represent empirical values obtained in various tests.