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R301 is random copolymer, suitable for products requiring transparency and stiffness. It has good processability and proper impact strength; thereby used for extrusion and injection. It is appropriate for food container because it doesn't contain harmful components.

Applications : Vacuum molding sheets, Blow molding(EMB) bottles.

| PROPERTIES | TEST METHOD | UNIT | R301 |
|---|-------------|--------------------|----------|
| Melt index | ASTM D1238 | g/10 min | 1.5 |
| Tensile strength(yield) | ASTM D638 | kg/cm ² | 320 |
| Elongation(Break) | ASTM D638 | % | 500 |
| Flexural Modulus | ASTM D790 | kg/cm ² | 12,000 |
| Izod Impact strength | 23°C | | 10 |
| | -10°C | ASTM D256 | kg·cm/cm |
| Rockwell hardness | ASTM D785 | R-Scale | 80 |
| Vicat Softening Point | ASTM D1525 | °C | 130 |
| Heat-Deflection temperature(4.6kg/cm ²) | ASTM D648 | °C | 100 |

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