

TechResin[®] 5711E

Impact Copolymer for General Purpose Injection Applications

TechResin[®] 5711E is a medium impact, copolymer polypropylene characterized by physical property balance and excellent dimensional stability. It contains a unique combination of stabilizers, which give it excellent processing and usage performance.

Typical applications include molding of consumer products, household items, appliances and lawn & garden items.

This material is free of animal-derived content.

Typical Properties of this Commercial Grade

| Property | Test Method | Typical Values | |
|--|-------------|-----------------------|-----------------------|
| | | English | SI |
| Melt Flow Rate, I ₂ @ 230°C | ASTM D1238 | 10 g/10 min | 10 g/10 min |
| Density | ASTM D1505 | 0.9 g/cm ³ | 0.9 g/cm ³ |
| Tensile Strength at Yield (50 mm/min) | ASTM D638 | 3,600 psi | 25 MPa |
| Elongation at Yield (50 mm/min) | ASTM D638 | 7 % | 7 % |
| Flexural Modulus (1.3 mm/min), 1% Secant | ASTM D790 | 160,000 psi | 1103 MPa |
| Notched Izod Impact Strength @ 73°F | ASTM D256A | 3.7 ft-lb/in | 133 J/m |
| Heat Deflection Temperature @ 66 psi | ASTM D648 | 203 °F | 95 °C |
| Rockwell Hardness | ASTM D785 | 100 R Scale | 100 R Scale |

Note: Specimens were injection molded according to the conditions specified in ASTM D4101.

Data for representative purposes only; not to be construed as product specification.

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