



HYPRO® PP-RP 35/1.5C

Entec Polymers - Polypropylene Random Copolymer

Tuesday, November 5, 2019

General Information

General

| | |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability | • North America |
| Additive | • Clarifier |
| Features | • Random Copolymer |
| RoHS Compliance | • RoHS Compliant |
| Forms | • Pellets |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--------------------------------------|----------------|----------|-------------|
| Density / Specific Gravity | 0.900 | | ASTM D792 |
| Melt Mass-Flow Rate (230°C/2.16 kg) | 35 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.012 to 0.025 | in/in | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 73°F) | 4300 | psi | ASTM D638 |
| Tensile Elongation (Yield, 73°F) | 13 | % | ASTM D638 |
| Flexural Modulus (73°F) | 169000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F, 0.125 in) | 1.0 | ft-lb/in | ASTM D256 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Rear Temperature | 360 to 420 | °F |
| Middle Temperature | 380 to 460 | °F |
| Front Temperature | 400 to 480 | °F |
| Nozzle Temperature | 380 to 460 | °F |
| Processing (Melt) Temp | 400 to 480 | °F |
| Mold Temperature | 70 to 120 | °F |
| Injection Pressure | 500 to 1500 | psi |

Notes

¹ Typical properties: these are not to be construed as specifications.