



Technical Data Sheet

LCA® PPCO1020

Medium Flow Copolymer Polypropylene

| Typical Compound Properties | Value / Measure | | Test Methods |
|------------------------------|-------------------------|------------------------|--------------|
| Physical Properties | | | |
| | English Units (ISO) | Metric Units | |
| Melt Flow Rate @ 230 / 2.16 | 10 g/10 min | | ASTM D-1238 |
| Density | 0.910 g/cm ³ | 0.91 g/cm ³ | ASTM D-792 |
| Ash Content | % | 0 % | ASTM D-5630 |
| Linear Mold Shrinkage | in/in | mm/mm | ASTM D-955 |
| Mechanical Properties | | | |
| Izod Impact - Notched | 2 ft-lb/in (kJ/m) | 107 J/m | ASTM D-256 |
| Tensile Strength @ Yield | 3,800 psi (Mpa) | 26 MPa | ASTM D-638 |
| Tensile Strength @ Break | psi (Mpa) | 0 MPa | ASTM D-638 |
| Tensile Elongation @ Yield | % | 0 % | ASTM D-638 |
| Tensile Elongation @ Break | 50 % | 50 % | ASTM D-638 |
| Flexural Strength @ Yield | psi (Mpa) | 0 MPa | ASTM D-790 |
| Flexural Stress @ Break | psi (Mpa) | 0 MPa | ASTM D-790 |
| Flexural Stress @ 5% Strain | psi (Mpa) | 0 MPa | ASTM D-790 |
| Flexural Modulus | 155,000 psi (Mpa) | 1,069 MPa | ASTM D-790 |
| Thermal Properties | | | |
| DTUL @ 66 psi (455 kPa) | 185 Deg. F | 85 Deg. C | ASTM D-648 |
| @ 264 psi (1820 kPa) | 115 Deg. F | 76 Deg. C | ASTM D-648 |
| Vicat Softening Temperature | Deg. F | Deg. C | ASTM D-1525 |





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| Typical Processing Conditions | | | |
|-------------------------------|-------------|-----------|----------|
| Process Variable | Description | Values | |
| Temperatures | | F | C |
| Barrel | Rear | 360 - 400 | |
| | Center | 380 - 410 | |
| | Front | 400 - 430 | |
| | Nozzle | 400 - 430 | |
| | Mold | 70 - 120 | |

Drying

Type
Temperature
Time

