

LUCEL

POM

FW-7005

Product information

Part Marking Code POM

| Mechanical behavior | Condition | Standard | Value | Unit |
|----------------------|------------|------------|-------|-------------------|
| Tensile Strength | Break 23°C | ASTM D638 | 54 | MPa |
| Friction Coefficient | Dynamic | ASTM D3702 | 0.1 | |
| Elongation | 23°C | ASTM D638 | 70 | % |
| Flexural Modulus | 23°C | ASTM D790 | 2350 | MPa |
| Flexural Strength | 23°C | ASTM D790 | 78 | MPa |
| Izod Notch Impact | | ASTM D256 | 11.22 | kJ/m ² |
| Izod Notch Impact | 23°C | ASTM D256 | 9.18 | kJ/m ² |

| Thermal | Condition | Standard | Value | Unit |
|---------|--------------------|-----------|-------|------|
| HDT | Unannealed 0.45MPa | ASTM D648 | 155 | °C |
| HDT | Unannealed 1.8MPa | ASTM D648 | 105 | °C |

| Physical property | Condition | Standard | Value | Unit |
|-------------------|-----------|-----------|-------|-------------------|
| Density | | ASTM D792 | 1.4 | g/cm ³ |
| Shrinkage | Flow | ASTM D995 | 2 | % |
| Shrinkage | xFlow | ASTM D995 | 2.2 | % |

| Hardness | Condition | Standard | Value | Unit |
|-------------------|-----------|-----------|-------|------|
| Rockwell Hardness | M(Scale) | ASTM D785 | 80 | |