

TYNELOY® CA2109

Polycarbonate + ABS

Tyne Plastics LLC.

Message:

Data was measured on natural colored test specimens.

| General Information | | | |
|------------------------------------|-----------------|-------------------|-------------|
| Features | General Purpose | | |
| Forms | Pellets | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.10 | g/cm ³ | ASTM D792 |
| Molding Shrinkage - Flow (3.18 mm) | 0.50 to 0.70 | % | ASTM D955 |
| Water Absorption (24 hr) | 0.20 | % | ASTM D570 |
| Hardness | Nominal Value | Unit | Test Method |
| Rockwell Hardness (R-Scale) | 115 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 41.4 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 70 | % | ASTM D638 |
| Flexural Modulus | 1970 | MPa | ASTM D790 |
| Flexural Strength | 68.9 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (6.35 mm) | 450 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 0.45 MPa, Unannealed | 104 | °C | |
| 1.8 MPa, Unannealed | 98.9 | °C | |

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