

# TYNELOY® CV2591

Polycarbonate + ABS

Tyne Plastics LLC.

## Message:

Data was measured on natural colored test specimens.

| General Information                |                      |                   |             |
|------------------------------------|----------------------|-------------------|-------------|
| Additive                           | Flame Retardant      |                   |             |
| Features                           | Flame Retardant      |                   |             |
|                                    | High Heat Resistance |                   |             |
| Forms                              | Pellets              |                   |             |
| Physical                           | Nominal Value        | Unit              | Test Method |
| Specific Gravity                   | 1.20                 | g/cm <sup>3</sup> | ASTM D792   |
| Molding Shrinkage - Flow (3.18 mm) | 0.40 to 0.70         | %                 | ASTM D955   |
| Water Absorption (24 hr)           | 0.14                 | %                 | ASTM D570   |
| Hardness                           | Nominal Value        | Unit              | Test Method |
| Rockwell Hardness (R-Scale)        | 120                  |                   | ASTM D785   |
| Mechanical                         | Nominal Value        | Unit              | Test Method |
| Tensile Strength (Yield)           | 61.4                 | MPa               | ASTM D638   |
| Tensile Elongation (Break)         | 80                   | %                 | ASTM D638   |
| Flexural Modulus                   | 2280                 | MPa               | ASTM D790   |
| Flexural Strength                  | 89.6                 | MPa               | ASTM D790   |
| Impact                             | Nominal Value        | Unit              | Test Method |
| Notched Izod Impact (6.35 mm)      | 520                  | J/m               | ASTM D256   |
| Thermal                            | Nominal Value        | Unit              | Test Method |
| Deflection Temperature Under Load  |                      |                   | ASTM D648   |
| 0.45 MPa, Unannealed               | 132                  | °C                |             |
| 1.8 MPa, Unannealed                | 121                  | °C                |             |
| Flammability                       | Nominal Value        |                   | Test Method |
| Flame Rating (1.59 mm)             | V-0                  |                   | UL 94       |

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