



MAYRON® MW32020 GF U
Polycarbonate 20% Glass Reinforced (PC V2 20% GF)
 Metro Wealth Under UL Register File No: (E 306925)



| Physical Properties | Method | Testing Condition | Unit | Typical Value |
|---------------------|------------|-------------------|-------------------|---------------|
| Specific Gravity | ASTM D-792 | - | g/cm ³ | 1.28 – 1.30 |
| Water Absorption | ASTM D-570 | 23 °C | % | 0.25 – 0.30 |

Mechanical Properties

| | | | | |
|--------------------|------------|-----------------|--------------------|-------------|
| Tensile Strength | ASTM D 638 | - | kg/cm ² | 650-850 |
| Tensile Elongation | ASTM D 638 | - | % | 2-5 |
| Flexural Modulus | ASTM D 790 | - | kg/cm ² | 37000-51000 |
| Flexural Strength | ASTM D 790 | - | kg/cm ² | 950-1300 |
| Izod Impact | ASTM D 256 | V-notched, 1/8" | kg.cm/cm | 6-8 |

Thermal Properties

| | | | | |
|-----------------------------|-------------|-----------------------|---------|-----------|
| Melt Flow Index | ASTM D 1238 | - | g/10min | 6 - 10 |
| Heat Distortion Temperature | ASTM D-648 | 4.6kg/cm ² | °C | 120 - 130 |
| Flammability | UL-94 | - | - | V2 |

Processing Properties

| | | | | |
|--------------------|---|---|----|-----------|
| Drying Hour | - | - | Hr | 3-4 |
| Drying Temperature | - | - | °C | 110 - 120 |
| Melt Temperature | - | - | °C | 270-290 |

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