


MAYPRENE® MW66610GF
Polypropylene 10% Glass Reinforced (PP 10% GF)

| Physical Properties | Method | Testing Condition | Unit | Typical Value |
|---------------------|------------|-------------------|-------------------|---------------|
| Specific Gravity | ASTM D-792 | - | g/cm ³ | 1.02 |
| Water Absorption | ASTM D-570 | 23 °C | % | 0.02 |

Mechanical Properties

| | | | | |
|----------------------|------------|-----------------|--------------------|-------|
| Tensile Strength | ASTM D 638 | - | kg/cm ² | 450 |
| Tensile Elongation | ASTM D 638 | - | % | 7 |
| Flexural Modulus | ASTM D 790 | - | kg/cm ² | 25000 |
| Flexural Strength | ASTM D 790 | - | kg/cm ² | 750 |
| Izod Impact | ASTM D 256 | V-notched, 1/8" | kg.cm/cm | 9 |
| Anti-Oxidant Content | - | - | % | 0.1 |
| UV Stabilizer | - | - | % | 0.1 |

Thermal Properties

| | | | | |
|-----------------------------|-------------|------------------------|---------|-----|
| Melt Flow Index | ASTM D 1238 | - | g/10min | 8 |
| Heat Distortion Temperature | ASTM D-648 | 18.6kg/cm ² | °C | 135 |
| Flammability | UL-94 | - | - | HB |

Processing Properties

| | | | | |
|--------------------|---|---|----|---------|
| Drying Hour | - | - | Hr | 2 |
| Drying Temperature | - | - | °C | 80 |
| Melt Temperature | - | - | °C | 190-200 |

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