


MAYLOY® MW555
Polycarbonate-Acrylonitrile-Butadiene-Styrene Blend (PC/ABS)

| Physical Properties | Method | Testing Condition | Unit | Typical Value |
|---------------------|------------|-------------------|-------------------|---------------|
| Specific Gravity | ASTM D-792 | - | g/cm ³ | 1.12 |
| Water Absorption | ASTM D-570 | 23 °C | % | 0.20 |

Mechanical Properties

| | | | | |
|--------------------|------------|-----------------|--------------------|-------|
| Tensile Strength | ASTM D 638 | - | kg/cm ² | 560 |
| Tensile Elongation | ASTM D 638 | - | % | 90 |
| Flexural Modulus | ASTM D 790 | - | kg/cm ² | 24000 |
| Flexural Strength | ASTM D 790 | - | kg/cm ² | 800 |
| Izod Impact | ASTM D 256 | V-notched, 1/8" | kg.cm/cm | 55 |

Thermal Properties

| | | | | |
|-----------------------------|-------------|------------------------|---------|-----|
| Melt Flow Index | ASTM D 1238 | - | g/10min | 15 |
| Heat Distortion Temperature | ASTM D-648 | 18.6kg/cm ² | °C | 105 |
| Flammability | UL-94 | - | - | HB |

Processing Properties

| | | | | |
|--------------------|---|---|----|---------|
| Drying Hour | - | - | Hr | 3-4 |
| Drying Temperature | - | - | °C | 95-100 |
| Melt Temperature | - | - | °C | 230-250 |

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