

# Chi Mei Wonderloy® PC-6201

FR: V-0

| Physical property           |                                  | Standard | Value | Unit      |
|-----------------------------|----------------------------------|----------|-------|-----------|
| Density                     | 23°C                             | ISO 1183 | 1.17  | g/cm³     |
| Melt Index                  | 260°C 2.16kg                     | ISO 1133 | 15    | cm³/10min |
| Hardness                    |                                  | Standard | Value | Unit      |
| Rockwell Hardness           | R(Scale) 23°C                    | ISO 2039 | 116   |           |
| Mechanical behavior         |                                  | Standard | Value | Unit      |
| Tensile Strength            | Yield 50mm/min                   | ISO 527  | 55    | MPa       |
| Elongation                  | Break 50mm/min                   | ISO 527  | 110   | %         |
| Flexural Strength           | 2.0mm/min                        | ISO 178  | 70    | MPa       |
| Flexural Modulus            | 2.0mm/min                        | ISO 178  | 2150  | MPa       |
| Izod Notch Impact           | 23°C 3.2mm                       | ISO 180  | 55    | kJ/m²     |
| Thermal                     |                                  | Standard | Value | Unit      |
| HDT                         | Unannealed 1.8MPa 120°C/hr 3.2mm | ISO 75   | 98    | °C        |
| Vicat Softening Temperature | 50°C/hr 10N                      | ISO 306  | 120   | °C        |
| Flammability                |                                  | Standard | Value | Unit      |
| Flame Rating                | NC 2.0mm                         | UL94     | V-0   |           |
| Flame Rating                | NC 3.0mm                         | UL94     | V-0   |           |