

# CHIMEI

a step up

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## Ecologue PCR ABS PA-757 M50

Product Description: PCR content 50%

| Properties                                     | ISO Test Method | Test Condition           | Unit              | PA-757 M50    |
|------------------------------------------------|-----------------|--------------------------|-------------------|---------------|
| <b>Melt Flow Index</b>                         | 1133            | 220°C × 10KG             | ml/10 min         | 20            |
| <b>Spiral flow</b>                             | CHIMEI          | 260°C, 2mm, V:50%, P:50% | cm                | –             |
| <b>Mass Density</b>                            | 1183            | 23 °C                    | g/cm <sup>3</sup> | 1.05          |
| <b>Tensile Strength</b>                        | 527             | 50 mm/min, yield         | MPa               | 40            |
|                                                |                 | 50 mm/min, break         | MPa               | 30            |
| <b>Tensile Elongation</b>                      | 527             | 50 mm/min                | %                 | 30            |
| <b>Flexural Strength</b>                       | 178             | 2 mm/min                 | MPa               | 60            |
| <b>Flexural Modulus</b>                        |                 | 2 mm/min                 | GPa               | 2.2           |
| <b>Izod Impact Strength</b>                    | 180/1A          | 23°C, Notched            | KJ/m <sup>2</sup> | 20            |
|                                                |                 | -30°C, Notched           | KJ/m <sup>2</sup> | –             |
| <b>Charpy Impact Strength</b>                  | 179             | 23°C, Notched            | KJ/m <sup>2</sup> | 20            |
|                                                |                 | -30°C, Notched           | KJ/m <sup>2</sup> | –             |
| <b>Vicat Softening Temp.</b>                   | 306             | 50°C/hr; 1KG             | °C                | 106           |
|                                                |                 | 50°C/hr; 5KG             | °C                | –             |
| <b>Heat Distortion Temp.</b>                   | 75/A            | 1.8MPa, unannealed       | °C                | 80            |
|                                                |                 | 1.8MPa, annealed         | °C                | –             |
| <b>Dielectric Constant</b>                     | IEC 60250       | 1MHz                     | --                | –             |
| <b>Volume Resistivity</b>                      | IEC 60093       | --                       | Ohm X m           | –             |
| <b>Surface Resistivity</b>                     | IEC 60093       | --                       | Ohm               | 1E+16         |
| <b>Coefficient of Linear Thermal Expansion</b> | 11359           | -                        | -                 | 8.6*10-5      |
| <b>Flammability</b>                            | -               | UL-94                    | -                 | 1.5mm HB      |
| <b>Mold Shrinkage</b>                          | 294-4           | -                        | %                 | 0.4~0.7       |
| <b>Symbol</b>                                  | 1043            | -                        | -                 | >ABS (REC50)< |

July 22, 2021

Notes : These are typical properties only and are not to be construed as specifications. Users should confirm results by their own test

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