

# CHIMEI

a step up

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## High Heat ABS POLYLAC® PA-777E

Product Description: Ultra High heat

| Properties                              | ISO Test Method | Test Condition           | Unit              | PA-777E    |
|-----------------------------------------|-----------------|--------------------------|-------------------|------------|
| Melt Flow Index                         | 1133            | 220°C×10KG               | ml/10 min         | 4.5        |
| Mass Density                            | 1183            | 23 °C                    | g/cm <sup>3</sup> | 1.07       |
| Tensile Strength                        | 527             | 50 mm/min, yield         | MPa               | 45         |
|                                         |                 | 50 mm/min, break         | MPa               | 32         |
| Tensile Elongation                      | 527             | 50 mm/min                | %                 | 30         |
| Flexural Strength                       | 178             | 2 mm/min                 | MPa               | 74         |
| Flexural Modulus                        |                 | 2 mm/min                 | GPa               | 2.3        |
| Izod Impact Strength                    | 180/1A          | 23°C, Notched            | KJ/m <sup>2</sup> | 12         |
|                                         |                 | -30°C, Notched           | KJ/m <sup>2</sup> | 6          |
| Charpy Impact Strength                  | 179             | 23°C, Notched            | KJ/m <sup>2</sup> | 13         |
|                                         |                 | Charpy<br>-30°C, Notched | KJ/m <sup>2</sup> | 6          |
| Vicat Softening Temp.                   | 306             | 50°C/hr;1KG              | °C                | 129        |
|                                         |                 | 50°C/hr;5KG              | °C                | 121        |
| Heat Distortion Temp.                   | 75/A            | 1.8MPa, unannealed       | °C                | 101        |
|                                         |                 | 1.8MPa, annealed         | °C                | 121        |
| Coefficient of Linear Thermal Expansion | 11359           | -                        | -                 | 8.2 x 10-5 |
| Flammability                            | -               | UL-94                    | -                 | 1.5mm HB   |
| Mold Shrinkage                          | 294-4           | -                        | %                 | 0.3~0.6    |
| Symbol                                  | 1043            | -                        | -                 | >ABS<      |

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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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