

## Technical Data Sheet ( ASTM )

# ABS(Acrylonitrile Butadiene Styrene) HU621

**Features** High heat resistance, High impact strength  
**Applications** Automobile parts, Mirror housing, Radiator grills, Rear lamp housings

| Physical                        | Test Method | Value                  |
|---------------------------------|-------------|------------------------|
| Density                         | ASTM D792   | 1.05 g/cm <sup>3</sup> |
| Melt Flow Index (200°C, 21.6kg) | ASTM D1238  | 20 g/10min             |
| Water absorption                | ASTM D570   | - %                    |
| Mold Shrinkage                  | ASTM D955   | 0.5 ~ 0.8 %            |

| Mechanical                        | Test Method | Value     |
|-----------------------------------|-------------|-----------|
| Tensile Strength                  | ASTM D638   | 48 MPa    |
| Elongation                        | ASTM D638   | 20 %      |
| Flexural Strength                 | ASTM D790   | 68 MPa    |
| Flexural Modulus                  | ASTM D790   | 2,200 MPa |
| Izod Impact Strength(3.2mm, 23°C) | ASTM D256   | 230 J/m   |
| Izod Impact Strength(6.4mm, 23°C) | ASTM D256   | 200 J/m   |
| Rockwell Hardness(R scale)        | ASTM D785   | 110       |

| Thermal                                         | Test Method | Value  |
|-------------------------------------------------|-------------|--------|
| Heat Deflection Temperature(1.8MPa, Unannealed) | ASTM D648   | 96 °C  |
| Vicat Softening Temperature(B50)                | ASTM D1525  | 106 °C |

| Flammability              | Test Method | Value |
|---------------------------|-------------|-------|
| Flame Rating - UL (1.6mm) | UL 94       | HB    |

### Notes

These are just typical properties, not specifications. Users should confirm results by their own test.