

High Flow PC/ABS Alloy WY-A145

**Product Features**

Low density and excellent flowability;  
High mechanical strength and good processability;  
Ideal for injection molding.

**Applications**

Widely used in automotive interiors, consumer electronics, and mobile phone housings;  
Suitable for high-end helmets and general molded products.

**Technical Properties**

| Property                              | Test Standard | Unit     | Typical Value |
|---------------------------------------|---------------|----------|---------------|
| Density (23°C)                        | ASTM D792     | g/cm³    | 1.10          |
| Melt Flow Rate (260°C, 2.16kg)        | ASTM D1238    | g/10min  | 22            |
| Tensile Strength (50mm/min)           | ASTM D638     | MPa      | 52            |
| Flexural Strength (2mm/min)           | ASTM D790     | MPa      | 76            |
| Flexural Modulus (2mm/min)            | ASTM D790     | MPa      | 2150          |
| Impact Strength (Notched, 23°C)       | ASTM D256     | kg-cm/cm | 55            |
| Heat Deflection Temperature (1.82MPa) | ASTM D648     | °C       | 99            |
| Flammability                          | UL-94         | 1.5mm    | HB            |

**Processing Conditions**

| Parameter                           | Unit | Recommended Range |
|-------------------------------------|------|-------------------|
| Pre-drying Temperature              | °C   | 80–100            |
| Pre-drying Time                     | h    | 3–4               |
| Injection Temperature (Feed Zone)   | °C   | 200–230           |
| Injection Temperature (Middle Zone) | °C   | 230–260           |
| Injection Temperature (Nozzle)      | °C   | 220–255           |
| Mold Temperature                    | °C   | 70–90             |

- 1.This data are provided for general reference only.
- 2.The typical values listed above are for reference only. During actual processing, process parameters should be adjusted accordingly based on mold design, product geometry, and dimensions.