

## Technical Data Sheet ( ISO )

### ABS(Acrylonitrile Butadiene Styrene)

### ABS 795

**Features** Extrumolding, High impact strength, Easy flow

**Applications** Pipe, Briefcases

Physical	Test Method	Value
Specific gravity	ISO 1183	1.04
Melt Flow Index (220°C, 10kg)	ISO 1133	6.5 g/10min
Water absorption	ISO 62	9 %
Mold Shrinkage	ISO 294-4	0.5 ~ 0.8 %
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Mechanical	Test Method	Value
Tensile Strength(at yield)	ISO 527	38 MPa
Elongation(at break)	ISO 527	28 %
Flexural Strength	ISO 178	54 MPa
Flexural Modulus	ISO 178	1,700 MPa
Izod Impact Strength(23°C)	ISO 180/1A	41 kJ/m <sup>2</sup>
Charpy Impact Strength(23°C)	ISO 179/1eA	42 kJ/m <sup>2</sup>
Rockwell Hardness(R scale)	ISO 2039-2	93
Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Unannealed)	ISO 75-2	78 °C
Heat Deflection Temperature(0.45Mpa, Unannealed)	ISO 75-2	89 °C
Vicat Softening Temperature(B50)	ISO 306	93 °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.