

Technical Data Sheet (ISO)

ABS(Acrylonitrile Butadiene Styrene)

ABS 780F

Features

Super flow

Applications

Large size injection molding product, TV housings

Physical	Test Method	Value
Specific gravity	ISO 1183	1.04
Melt Flow Index (220°C, 10kg)	ISO 1133	65 g/10min
Water absorption	ISO 62	- %
Mold Shrinkage	ISO 294-4	0.5 ~ 0.8 %

Mechanical	Test Method	Value
Tensile Strength(at yield)	ISO 527	42 Mpa
Elongation(at break)	ISO 527	24 %
Flexural Strength	ISO 178	60 MPa
Flexural Modulus	ISO 178	2,100 Mpa
Izod Impact Strength(23°C)	ISO 180/1A	21 KJ/m ²
Charpy Impact Strength(23°C)	ISO 179/1eA	22 KJ/m ²
Rockwell Hardness(R scale)	ISO 2039-2	105

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Unannealed)	ISO 75-2	77 °C
Heat Deflection Temperature(0.45Mpa, Unannealed)	ISO 75-2	88 °C
Vicat Softening Temperature(B50)	ISO 306	92 °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.