

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene)

ABS 770ZH

Features Low gloss, General extrusion molding use
Applications Extruded products demanding for low gloss

Physical	Test Method	Value
Density	ASTM D792	1.08 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	4 g/10min
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	6 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %
Mechanical	Test Method	Value
Tensile Strength	ASTM D638	450 kgf/cm ² (6,300) (psi)
Elongation	ASTM D638	25 %
Flexural Strength	ASTM D790	550 kgf/cm ² (7,700) (psi)
Flexural Modulus	ASTM D790	17,000 kgf/cm ² (241,400) (psi)
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	24 kgf-cm/cm (4.4) (ft-lb/in)
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	18 kgf-cm/cm (3.3) (ft-lb/in)
Rockwell Hardness(R scale)	ASTM D785	109
Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	90 °C (194) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	100 °C (212) (°F)
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.