

Technical Data Sheet

ASA(Acrylic Styrene Acrylonitrile)

ASA XC180

Features Injection
Applications sash joiner, parts of antenna, mail box, etc.

Physical	Test Method	Value
Density	ASTM D792	1.07 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	16 g/10min
Mold Shrinkage	ASTM D955	0.4 ~ 0.7 %
Water absorption	ASTM D570	- %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	460 kg/cm ²
Elongation	ASTM D638	30 %
Flexural Strength	ASTM D790	630 kg/cm ²
Flexural Modulus	ASTM D790	22,000 kg/cm ²
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	17 kgcm/cm
Rockwell Hardness(R scale)	ASTM D785	108

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	92 °C (197.6) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	105 °C (221) (°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.