

## Technical Data Sheet

### ASA(Acrylic Styrene Acrylonitrile)

### ASA XC190M

**Features** co-Extrusion & Low gloss  
**Applications** fence, siding, roof, etc.

Physical	Test Method	Value
Density	ASTM D792	1.07 g/cm <sup>3</sup>
Melt Flow Index (220°C, 10kg)	ASTM D1238	8 g/10min
Mold Shrinkage	ASTM D955	0.4 ~ 0.7 %
Water absorption	ASTM D570	- %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	450 kg/cm <sup>2</sup>
Elongation	ASTM D638	30 %
Flexural Strength	ASTM D790	590 kg/cm <sup>2</sup>
Flexural Modulus	ASTM D790	20,000 kg/cm <sup>2</sup>
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	20 kgcm/cm
Rockwell Hardness(R scale)	ASTM D785	105

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm <sup>2</sup> )	ASTM D648	85 °C (185.0) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	97 °C (206.6) (°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.