

ASA Filament Technical Data Sheet

Product Description: ASA XC187 is an engineering plastic, a graft copolymer of acrylic rubber, acrylonitrile and styrene.

Typical Application: Outdoor molded case products, auto parts, etc.

Properties: In addition to good mechanical and physical properties, ASA XC187 also has the following characteristics:

1. Good weather resistance High rigidity
2. Good heat resistance
3. Good toughness

Performance	Unit	Standard Test	Typical Value
Density	g/cm ³	ISO 1183	1.07
Melt Index (220°C, 10kg)	g/10min	ISO 1183	16-26
Melting Point	°C	DSC	200-230
Tensile Stress	MPa	ISO527-2/50	50.0
Tensile Strain (Break)	%	SO 527-2/50	38
Bending Stress	MPa	ISO 178	67
Flexural Modulus	MPa	ISO 178	1900
Notched Impact Strength	J/m	ISO 180	15
Shrinkage	%	ISO294-4	0.40-0.70

* The above data are typical values and should not be interpreted as technical indicators for judging quality.