

KumhoSunny ASA XC190

Acrylonitrile Styrene Acrylate
Shanghai KumhoSunny Plastics Co., Ltd.

Message:
XC190 is extrusion grade ASA resin.It has high weather resistance properties.XC190 is mainly used in extrusion profile as window, door, pipe etc.

General Information			
Features	Good Weather Resistance		
Uses	Piping		
	Profiles		
	Windows & Doors		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	47.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	63.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	93.0	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	2.0 to 3.0	hr
Suggested Max Moisture	0.050	%
Rear Temperature	180 to 190	°C
Middle Temperature	180 to 200	°C
Front Temperature	190 to 210	°C
Nozzle Temperature	190 to 210	°C
Processing (Melt) Temp	170 to 220	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	1.00 to 5.00	MPa
Screw Speed	30 to 60	rpm
NOTE		

1. Rate B (120°C/h)

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