

# KumhoSunny ASA XC191

Acrylonitrile Styrene Acrylate

Shanghai KumhoSunny Plastics Co., Ltd.

## Message:

XC191 is coating grade ASA resin.It has high weather resistance properties.XC191 is mainly used in extrusion profile as window, door, pipe etc.

General Information			
Features	Good Weather Resistance		
Uses	Coating Applications		
	Piping		
	Profiles		
	Windows & Doors		
UL File Number	E254819		
	E65424		
Forms	Pellets		
Processing Method	Coating		
	Injection Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	2100	MPa	ASTM D790
Flexural Strength	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	86.0	°C	ASTM D648
Vicat Softening Temperature	95.0	°C	ASTM D1525 <sup>1</sup>
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
Processing (Melt) Temp	170 to 220	°C
Mold Temperature	40.0 to 60.0	°C
NOTE		
1.	Rate B (120°C/h)	

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