

TAIRISAN NX3400

Styrene Acrylonitrile
Formosa Plastics Corporation

Message:

FCFC SAN resin NX3400 meets the requirements of UL and the certificates of environmental protection.

General Information			
UL YellowCard	E162823-514806		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E162823		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.06	g/cm ³	ASTM D792
23°C	1.06	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
200°C/5.0 kg	1.0	g/10 min	
220°C/10.0 kg	10	g/10 min	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale, 23°C)	83		ASTM D785, ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
23°C	80.4	MPa	ASTM D638
23°C	80.0	MPa	ISO 527-2
Flexural Modulus (23°C)	3620	MPa	ASTM D790, ISO 178
Flexural Strength (23°C)	118	MPa	ASTM D790, ISO 178

Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 6.35 mm)	18	J/m	ISO 180, ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	94.0	°C	ASTM D648, ISO 75-2/A

Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, All Colors)	HB	UL 94	

Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0	hr	

Rear Temperature	210 to 250	°C
Middle Temperature	210 to 250	°C
Front Temperature	210 to 250	°C
Nozzle Temperature	210 to 250	°C
Processing (Melt) Temp	< 250	°C
Mold Temperature	50.0 to 70.0	°C
Injection Pressure	68.6 to 123	MPa
Extrusion	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	200	°C
Cylinder Zone 3 Temp.	200	°C
Cylinder Zone 5 Temp.	200	°C
Melt Temperature	< 250	°C

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