

Stylac™ NF920

Acrylonitrile Chlorinated Polyethylene Styrene

Asahi Kasei Chemicals Corporation

Message:

Stylac™ NF920 is an Acrylonitrile Chlorinated Polyethylene Styrene (ACS) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Characteristics include:

- Flame Rated
- Flame Retardant

General Information			
UL YellowCard	E171626-225684		
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogenated		

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.16	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	59	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	54.5	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	44.1	MPa	ISO 527-2/50
Flexural Modulus ¹	2550	MPa	ISO 178
Flexural Stress ²	69.8	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.6	kJ/m²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	74.0	°C	ISO 75-2/A
Vicat Softening Temperature	88.0	°C	ISO 306/B
CLTE - Flow	7.0E-5 to 1.0E-4	cm/cm/°C	ASTM D696
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Ball Pressure Test	80	°C	EMAC

Flammability	Nominal Value	Test Method
Flame Rating	UL 94	
1.50 mm	V-0	

2.50 mm	5VA
NOTE	
1.	2.0 mm/min
2.	2.0 mm/min

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