

Stylac™ 789

Acrylonitrile Styrene Copolymer
Asahi Kasei Chemicals Corporation

Message:

Stylac™ 789 is an Acrylonitrile Styrene Copolymer (AS) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Typical application: Food Contact Applications.
Characteristics include:
Flame Rated
Heat Resistant
High Flow

General Information			
UL YellowCard	E171626-225690		
Features	High Flow		
	Medium Heat Resistance		
Uses	Non-specific Food Applications		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.08	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	27	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	28.7	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	72.3	MPa	ISO 527-2/5
Flexural Modulus ¹	3800	MPa	ISO 178
Flexural Stress ²	138	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	1.3	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	88.6	°C	ISO 75-2/A
Vicat Softening Temperature	104	°C	ISO 306/B
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Ball Pressure Test ³	95	°C	EMAC
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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