

Stylac™ CS747

Acrylonitrile Styrene Copolymer
Asahi Kasei Chemicals Corporation

Message:

Stylac™ CS747 is an Acrylonitrile Styrene Copolymer (AS) product. It is available in Africa & Middle East, Asia Pacific, or Europe. Typical application: Optics/Lenses.
Characteristics include:
Flame Rated
Clarity
Good Aesthetics

General Information			
UL YellowCard	E171626-518365		
Features	High Clarity		
	Opticals		
Uses	Optical Applications		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.07	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	12	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	12.5	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.15 to 0.35	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	68.4	MPa	ISO 527-2/5
Flexural Modulus ¹	3700	MPa	ISO 178
Flexural Stress ²	124	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)	86.3	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B
CLTE - Flow	2.8E-5	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 ³	100	°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
3.	Registered Number: B-1574

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