

Anjaflam® 100V-FR

Polycarbonate
Almaak International GmbH

Message:

Anjaflam® 100V-FR is a Polycarbonate (PC) material. It is available in Europe for injection molding.
Important attributes of Anjaflam® 100V-FR are:
Flame Rated
Flame Retardant
Low Viscosity

General Information			
UL YellowCard	E169818-225429	E169818-101259963	
Features	Flame Retardant		
	Low Viscosity		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	18.0	cm³/10min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr	0.35	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2150	MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0	MPa	ISO 527-2/50
Tensile Strain (Break)	6.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	148	°C	DSC
Vicat Softening Temperature	139	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		IEC 60695-10-2
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	2.0 to 6.0	hr	
Suggested Max Moisture	0.020	%	

Processing (Melt) Temp	280 to 300	°C
Mold Temperature	80.0 to 95.0	°C

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Recommended distributors for this material

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