

Anjaflam® 100V-UV/FR/DE

Polycarbonate
Almaak International GmbH

Message:

Anjaflam® 100V-UV/FR/DE is a Polycarbonate (PC) material. It is available in Europe.
Important attributes of Anjaflam® 100V-UV/FR/DE are:
Flame Rated
Flame Retardant
Good UV Resistance
Impact Modified
Medium Viscosity

General Information			
Additive	Flame Retardant		
	Impact Modifier		
	UV Stabilizer		
Features	Flame Retardant		
	Good UV Resistance		
	Impact Modified		
	Medium-low Viscosity		
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)	20.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.40	%	
Flow	0.40	%	
Water Absorption			ISO 62
23°C, 24 hr	0.30	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 50	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	20	kJ/m²	
23°C	60	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		

23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	132	°C	ISO 75-2/B
1.8 MPa, Unannealed	120	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		
3.00 mm	5VA		
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (2.00 mm)	775	°C	IEC 60695-2-13
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	260 to 270	°C	
Mold Temperature	70.0 to 90.0	°C	

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Recommended distributors for this material

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