

Anjaflam® 100X-FR3

Polycarbonate
Almaak International GmbH

Message:

Anjaflam® 100X-FR3 is a Polycarbonate (PC) material. It is available in Europe.
Important attributes of Anjaflam® 100X-FR3 are:
Flame Rated
Flame Retardant
Medium Viscosity

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Medium 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)	11.0	cm³/10min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr	0.35	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Relative Viscosity	1.29		ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	63.0	MPa	ISO 527-2/50
Tensile Strain (Break)	5.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	138	°C	ISO 75-2/B
1.8 MPa, Unannealed	128	°C	ISO 75-2/A
Vicat Softening Temperature	148	°C	ISO 306/B50
Melting Temperature	148	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Glow Wire Flammability Index (3.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	

Drying Temperature	120	°C
Drying Time	2.0 to 5.0	hr
Suggested Max Moisture	0.020	%
Processing (Melt) Temp	280 to 300	°C
Mold Temperature	85.0 to 120	°C

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Recommended distributors for this material

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