

Anjacom® 100X-UV

Polycarbonate

Almaak International GmbH

Message:

Anjacom® 100X-UV is a Polycarbonate (PC) material. It is available in Europe.

Important attributes of Anjacom® 100X-UV are:

Flame Rated

Good UV Resistance

Medium Viscosity

UV Stabilized

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance Medium Viscosity		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	10.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.60	%	
Flow	0.60	%	
Water Absorption			ISO 62
23°C, 24 hr	0.35	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Relative Viscosity	1.30		ISO 1628
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1
Tensile Stress (Yield)	63.0	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)	15	kJ/m ²	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	139	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°C	ISO 75-2/A
Vicat Softening Temperature	147	°C	ISO 306/B50
Melting Temperature	148	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1

Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-2		UL 94
Glow Wire Flammability Index (4.00 mm)	850	°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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