

Anjacom® 100V-UV

Polycarbonate
Almaak International GmbH

Message:

Anjacom® 100V-UV is a Polycarbonate (PC) material. It is available in Europe for injection molding.
Important attributes of Anjacom® 100V-UV are:
Flame Rated
Good UV Resistance
Low Viscosity
UV Stabilized

General Information			
UL YellowCard	E169818-101259963		
Additive	UV Stabilizer		
Features	Good UV Resistance		
	Low Viscosity		
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)	20.0	cm³/10min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr	0.30	%	
Equilibrium, 23°C, 50% RH	0.15	%	
Relative Viscosity	1.26		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)	6.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	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	137	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Glass Transition Temperature	149	°C	DSC
Vicat Softening Temperature	144	°C	ISO 306/B50
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 320	°C	
Mold Temperature	80.0 to 100	°C	

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Recommended distributors for this material

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