

Anjaflam® 500-FR

Acrylonitrile Butadiene Styrene

Almaak International GmbH

Message:

Anjaflam® 500-FR is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Europe for injection molding.

Important attributes of Anjaflam® 500-FR are:

- Flame Rated
- Flame Retardant
- Medium Viscosity

General Information			
Features	Flame Retardant		
	Medium Viscosity		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.17	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	40.0	cm³/10min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress (Yield)	45.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.5	%	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
Vicat Softening Temperature	83.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	220 to 260	°C	
Mold Temperature	40.0 to 80.0	°C	

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