

Anjacom® 050/45S

Polycarbonate + ABS
Almaak International GmbH

Message:

Anjacom® 050/45S is a Polycarbonate + ABS (PC+ABS) material. It is available in Europe for injection molding. Primary attribute of Anjacom® 050/45S: Flame Rated.

General Information			
Features	Good Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.10	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	24.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	0.50 to 0.70	%	
Flow	0.50 to 0.70	%	
Water Absorption			ISO 62
23°C, 24 hr	0.70	%	
Equilibrium, 23°C, 50% RH	0.20	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	54.0	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)	45	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 (1.8 MPa, Unannealed)	105	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
Electrical	Nominal Value	Unit	Test Method
Electric Strength	24	kV/mm	IEC 60243-1
Comparative Tracking Index	250	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	95.0	°C	
Drying Time	2.0 to 5.0	hr	
Suggested Max Moisture	0.020	%	
Processing (Melt) Temp	240 to 270	°C	

Mold Temperature	60.0 to 90.0	°C
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