

TECHNIACE® F-101

Polycarbonate + ABS

Nippon A&L; Inc.

Message:

TECHNIACE®F-101 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

TECHNIACE®The main features of the F-101 are:

flame retardant/rated flame

Flame Retardant

General Information			
UL YellowCard	E54706-245249		
Features	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	6.00	cm³/10min	ISO 1133
Molding Shrinkage	0.50 - 0.60	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	115		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	51.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2150	MPa	ISO 178
Flexural Stress (23°C)	78.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	46	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	8.0E-5	cm/cm/°C	JIS K7197
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
2.50 mm	5VB		UL 94
Additional Information			
Ball Pressure Registration Temperature: 105°C			
Injection	Nominal Value	Unit	
Drying Temperature	95.0 - 100	°C	
Drying Time	> 3.0	hr	
Rear Temperature	220 - 240	°C	

Middle Temperature	220 - 240	°C
Front Temperature	220 - 240	°C
Mold Temperature	40.0 - 80.0	°C

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Recommended distributors for this material

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