

TECHNIACE® H-270

Polycarbonate + ABS

Nippon A&L; Inc.

Message:

TECHNIACE® H-270 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 H-270 are:

- flame retardant/rated flame
- Heat resistance

TECHNIACE® The typical application fields of H-270 are: automobile industry

General Information			
UL YellowCard	E54706-245262		
Features	Heat resistance, high		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.15	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	4.50	cm³/10min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	122		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	58.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2350	MPa	ISO 178
Flexural Stress (23°C)	93.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	57	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	114	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	7.6E-5	cm/cm/°C	JIS K7197
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Additional Information			
Ball Pressure Registration Temperature: 125°C			
Injection	Nominal Value	Unit	
Drying Temperature	110 - 120	°C	
Drying Time	> 3.0	hr	
Rear Temperature	240 - 280	°C	
Middle Temperature	240 - 280	°C	

Front Temperature	240 - 280	°C
Mold Temperature	40.0 - 80.0	°C

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Recommended distributors for this material

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