

KRALASTIC® AN-490

Acrylonitrile Butadiene Styrene

Nippon A&L; Inc.

Message:

KRALASTIC® AN-490 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

KRALASTIC® The main features of AN-490 are:

flame retardant/rated flame

Flame Retardant

Good UV resistance

Heat resistance

General Information			
UL YellowCard	E54706-245150		
Features	Good UV resistance		
	Heat resistance, medium		
	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.19	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (200°C/5.0 kg)	1.30	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 - 0.60	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	109		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	39.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	67.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	°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
2.00 mm	V-0		UL 94
3.00 mm	5VA		UL 94
Additional Information			
Ball Pressure Registration Temperature: 100°C			

Injection	Nominal Value	Unit
Drying Temperature	80.0 - 90.0	°C
Drying Time	> 3.0	hr
Rear Temperature	200 - 230	°C
Middle Temperature	200 - 230	°C
Front Temperature	200 - 230	°C
Mold Temperature	40.0 - 60.0	°C

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