

Novalloy-A A2602

Acrylonitrile Butadiene Styrene + Nylon

Daicel Polymer Ltd.

Message:

Novalloy-A A2602 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) material. It is available in Asia Pacific. Primary attribute of Novalloy-A A2602: Flame Rated.

General Information				
UL YellowCard		E47773-239580		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.30 to 0.60	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.70	--	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	115	114		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	69.0	51.0	MPa	ISO 527-2
Flexural Modulus	3400	2300	MPa	ISO 178
Flexural Stress	113	83.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	14	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	120	130	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed, 6.40 mm	205	200	°C	ASTM D648
0.45 MPa, Unannealed	205	200	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	110	102	°C	ASTM D648
1.8 MPa, Unannealed	100	92.0	°C	ISO 75-2/A
CLTE				ISO 11359-2
Flow	6.0E-5	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Dielectric Strength (1.50 mm)	14	--	kV/mm	ASTM D149
Arc Resistance (3.00 mm)	92.0	--	sec	ASTM D495
Arc Resistance (3.00 mm)	PLC 6	--		ASTM D495

Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Additional Information	Dry	Conditioned	Unit	
Moisture Content	--	1.5	%	
Injection	Dry	Unit		
Drying Temperature	90.0 to 100		°C	
Drying Time	4.0 to 5.0		hr	
Rear Temperature	180 to 210		°C	
Middle Temperature	230 to 250		°C	
Front Temperature	240 to 260		°C	
Nozzle Temperature	230 to 250		°C	
Mold Temperature	70.0 to 90.0		°C	
Back Pressure	10.0 to 20.0		MPa	
Screw Speed	50 to 80		rpm	

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