

Novalloy-A A5624

Acrylonitrile Butadiene Styrene + Nylon

Daicel Polymer Ltd.

Message:

Novalloy-A A5624 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) material. It is available in Asia Pacific. Primary attribute of Novalloy-A A5624: Flame Rated.

General Information				
UL YellowCard		E47773-239587		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.45	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.20 to 0.50	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	--	%	ISO 62
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	116	115		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Yield)	96.0	77.0	MPa	ISO 527-2
Flexural Modulus	6300	5100	MPa	ISO 178
Flexural Stress	161	130	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	13	kJ/m ²	ISO 179/1eA
Notched Izod Impact (23°C, 6.40 mm)	120	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed, 6.40 mm	213	--	°C	ASTM D648
0.45 MPa, Unannealed	212	210	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	183	--	°C	ASTM D648
1.8 MPa, Unannealed	181	176	°C	ISO 75-2/A
CLTE				ISO 11359-2
Flow	5.0E-5	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Flammability	Dry	Conditioned		Test Method
Flame Rating (0.750 mm)	V-0	--		UL 94
Additional Information	Dry	Conditioned	Unit	
Moisture Content	--	1.0	%	
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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