

Novalloy-A A2506

Acrylonitrile Butadiene Styrene + Nylon

Daicel Polymer Ltd.

Message:

Novalloy-A A2506 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) material. It is available in Asia Pacific. Primary attribute of Novalloy-A A2506: Flame Rated.

General Information				
UL YellowCard		E47773-239574		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.28	--	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.10 to 0.50	--	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.50	--	%	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)	110	88.0	MPa	ISO 527-2
Flexural Modulus	720	6000	MPa	ISO 178
Flexural Stress	180	146	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	--	kJ/m ²	
23°C	15	16	kJ/m ²	
Notched Izod Impact				ASTM D256
-30°C, 6.40 mm	100	--	J/m	
23°C, 6.40 mm	150	180	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed, 6.40 mm	205	190	°C	ASTM D648
0.45 MPa, Unannealed	205	200	°C	ISO 75-2/B
1.8 MPa, Unannealed, 6.40 mm	160	140	°C	ASTM D648
1.8 MPa, Unannealed	160	150	°C	ISO 75-2/A
CLTE				ISO 11359-2
Flow	2.0E-5	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Flammability	Dry	Conditioned		Test Method

Flame Rating	HB	--	UL 94
Additional Information	Dry	Conditioned	Unit
Moisture Content	--	0.70	%
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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