Novalloy-A A1700

Acrylonitrile Butadiene Styrene + Nylon

PlastxWorld Inc.

Message:

Novalloy-A A1700 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) product. It is available in Europe.

Characteristics include:

Flame Rated

High Strength

Impact Resistant

Features	General Information				
Forms Pellets Physical Dry Conditioned Unit Test Method Specific Gravity 1.09 g/cm³ ASTM D792 Molding Shrinkage - Flow 0.60 to 0.90 % ASTM D955 Water Absorption (24 hr) 0.98 % ASTM D570 Mechanical Dry Conditioned Unit Test Method Tensile Strength (Yield) 46.9 31.0 MPa ASTM D638 Tensile Elongation (Break) 100 200 % ASTM D638 Flexural Modulus 2160 814 MPa ASTM D790 Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.	Features		High Impact Resistance		
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Mechanical Dry Conditioned Unit Test Method Tensile Strength (Yield) 46.9 31.0 MPa ASTM D638 Tensile Elongation (Break) 100 200 % ASTM D638 Flexural Modulus 2160 814 MPa ASTM D790 Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Molding Shrinkage - Flow	0.60 to 0.90		%	ASTM D955
Tensile Strength (Yield) 46.9 31.0 MPa ASTM D638 Tensile Elongation (Break) 100 200 % ASTM D638 Flexural Modulus 2160 814 MPa ASTM D790 Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact ASTM D256 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Water Absorption (24 hr)	0.98		%	ASTM D570
Tensile Elongation (Break) 100 200 % ASTM D638 Flexural Modulus 2160 814 MPa ASTM D790 Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact 430 J/m 430 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Mechanical	Dry	Conditioned	Unit	Test Method
Flexural Modulus 2160 814 MPa ASTM D790 Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact ASTM D256 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Tensile Strength (Yield)	46.9	31.0	MPa	ASTM D638
Flexural Strength 75.2 46.2 MPa ASTM D790 Impact Dry Conditioned Unit Test Method Notched Izod Impact 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Tensile Elongation (Break)	100	200	%	ASTM D638
Impact Dry Conditioned Unit Test Method Notched Izod Impact ASTM D256 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Flexural Modulus	2160	814	MPa	ASTM D790
Notched Izod Impact ASTM D256 430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Flexural Strength	75.2	46.2	MPa	ASTM D790
430 J/m 23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Impact	Dry	Conditioned	Unit	Test Method
23°C, 3.18 mm 150 J/m Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	Notched Izod Impact				ASTM D256
Thermal Dry Conditioned Unit Test Method Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648			430	J/m	
Deflection Temperature Under Load (1.8 MPa, Unannealed) 80.0 77.8 °C ASTM D648	23°C, 3.18 mm	150		J/m	
Under Load (1.8 MPa, C ASTM D648 Unannealed) 80.0 77.8 °C ASTM D648	Thermal	Dry	Conditioned	Unit	Test Method
Unannealed) 80.0 77.8 °C ASTM D648					
		80 0	77.8	°C	ASTM D648
Tot Without					
Flame Rating (1.50 mm) HB UL 94	·				

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