

# Novalloy-A A2703

Acrylonitrile Butadiene Styrene + Nylon

PlastxWorld Inc.

Message:

Novalloy-A A2703 is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) product filled with 15% glass fiber. It is available in Europe.

Characteristics include:

- Flame Rated
- Heat Resistant
- High Strength
- Impact Resistant

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		High Heat Resistance		
		High Impact Resistance		
		High Tensile Strength		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.18	--	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	--	%	ASTM D955
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness	118	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Break)	89.6	68.9	MPa	ASTM D638
Tensile Elongation (Break)	5.0	5.0	%	ASTM D638
Flexural Modulus	4140	3450	MPa	ASTM D790
Flexural Strength	145	110	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
--	--	150	J/m	
23°C, 3.18 mm	120	--	J/m	
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)				
	180	170	°C	ASTM D648
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.50 mm)	HB	--		UL 94

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