

# Verolloy A2603

Acrylonitrile Butadiene Styrene + Nylon

PlastxWorld Inc.

Message:

Verolloy A2603 is an acrylonitrile butadiene styrene + nylon (ABS + nylon) product, which contains a 15% glass fiber reinforced material. It is available in North America or Europe.  
Features include:  
flame retardant/rated flame  
high strength  
Impact resistance

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 15% filler by weight		
Features		High tensile strength		
		Impact resistance, high		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.20	--	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.10 - 0.50	--	%	ASTM D955
Water Absorption (24 hr)	0.70	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness	116	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Strength (Break)	82.7	62.1	MPa	ASTM D638
Tensile Elongation (Break)	6.0	7.0	%	ASTM D638
Flexural Modulus	4270	3240	MPa	ASTM D790
Flexural Strength	117	96.5	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact				ASTM D256
--	--	170	J/m	ASTM D256
23°C, 3.18 mm	140	--	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)				
	165	150	°C	ASTM D648
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.50 mm)	HB	--		UL 94

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