

## A. Schulman Aqualoy® 645 Glass Fiber Reinforced Hydrolysis Resistant Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

**Material Notes:**

Information provided by A. Schulman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-Aqualoy-645-Glass-Fiber-Reinforced-Hydrolysis-Resistant-Nylon-66.php](http://www.lookpolymers.com/polymer_A-Schulman-Aqualoy-645-Glass-Fiber-Reinforced-Hydrolysis-Resistant-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	190 MPa	27600 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	245 MPa	35500 psi	ASTM D790
Flexural Modulus	9.639 GPa	1398 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 310 °C	554 - 590 °F	
Mold Temperature	65.6 - 93.3 °C	150 - 200 °F	
Drying Temperature	79.4 °C	175 °F	
Dry Time	2 - 4 hour	2 - 4 hour	Predrying

### Contact Songhan Plastic Technology Co.,Ltd.

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