

## A. Schulman ComAlloy Lubrilon® 636 Nylon 6/6, Carbon Fiber Reinforced, Proprietary Lubricant Package

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Carbon Fiber/PTFE Filled

### Material Notes:

Data provided by the manufacturer, ComAlloy International Company. High performance and excellent lubricity with minimal surface wear. The ComAlloy product line has been integrated into the A Schulman product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_A-Schulman-ComAlloy-Lubrilon-636-Nylon-66-Carbon-Fiber-Reinforced-Proprietary-Lubricant-Package.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Lubrilon-636-Nylon-66-Carbon-Fiber-Reinforced-Proprietary-Lubricant-Package.php)

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Ultimate	157 MPa	22800 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	241 MPa	35000 psi	ASTM D790
Flexural Modulus	15.5 GPa	2250 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.16 J/cm	7.79 ft-lb/in	ASTM D256
K (wear) Factor	15.5 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	7.70 x 10 <sup>-10</sup> in <sup>3</sup> -min/ft-lb-hr	K=W/PVT where W=wear (inches <sup>3</sup> ); P=applied pressure (psi); V=velocity (fpm); T=time (hours).
Limiting Pressure Velocity	3.30 MPa-m/sec	94200 psi-ft/min	

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	261 °C	502 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	243 °C	469 °F	ASTM D648

Processing Properties	Metric	English	Comments
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Processing Temperature Processing Properties	290 °C Metric	554 °F English	Approximate middle barrel temperature.
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## Contact Songhan Plastic Technology Co.,Ltd.

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