

## A. Schulman ComAlloy Lubrilon® 605 Nylon 6/6, PTFE Filled, Flow Enhanced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 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-605-Nylon-66-PTFE-Filled-Flow-Enhanced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Lubrilon-605-Nylon-66-PTFE-Filled-Flow-Enhanced.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Ultimate	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	11 %	11 %	ASTM D638
Flexural Strength	97.0 MPa	14100 psi	ASTM D790
Flexural Modulus	2.80 GPa	406 ksi	ASTM D790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
K (wear) Factor	20.1 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	10.0 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	0.460 MPa-m/sec	13100 psi-ft/min	

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	192 °C	378 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	ASTM D648

Processing Properties	Metric	English	Comments
Processing Temperature	290 °C	554 °F	Approximate middle barrel temperature.

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

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