

## A. Schulman ComAlloy Lubrilon® 62S1 Internally Lubricated, Nylon 6/6

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### 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-62S1-Internally-Lubricated-Nylon-66.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Lubrilon-62S1-Internally-Lubricated-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0070 cm/cm	0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	17 %	17 %	ASTM D638
Flexural Yield Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256
Coefficient of Friction, Dynamic	0.10	0.10	
Coefficient of Friction, Static	0.090	0.090	
K (wear) Factor	80.6 x 10 <sup>-8</sup> mm <sup>3</sup> /N-M	40.0 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	0.280 MPa-m/sec	7990 psi-ft/min	at 0.35 m/s

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	184 °C	363 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	68.0 °C	154 °F	ASTM D648

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

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**