

## A. Schulman ComAlloy Lubrilon® 604 Nylon 6/6, PTFE/Molybdenum Disulfide 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-604-Nylon-66-PTFEMolybdenum-Disulfide-Filled-Flow-Enhanced.php](http://www.lookpolymers.com/polymer_A-Schulman-ComAlloy-Lubrilon-604-Nylon-66-PTFEMolybdenum-Disulfide-Filled-Flow-Enhanced.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Strength	111 MPa	16100 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D256
Izod Impact, Unnotched	6.78 J/cm	12.7 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	181 °C	358 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °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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