

A. Schulman ComAlloy Lubrilon® 637 Nylon 6/6, Carbon Fiber/Molybdenum Disulfide Filled

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-637-Nylon-66-Carbon-FiberMolybdenum-Disulfide-Filled.php

Physical Properties	Metric	English	Comments
Density	1.29 g/cc	0.0466 lb/in ³	
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Ultimate	189 MPa	27400 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	302 MPa	43800 psi	ASTM D790
Flexural Modulus	18.2 GPa	2640 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	4.54 J/cm	8.51 ft-lb/in	ASTM D256
K (wear) Factor	18.3 x 10 ⁻⁸ mm ³ /N-M	9.10 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	K=W/PVT where W=wear (inches ³); P=applied pressure (psi); V=velocity (fpm); T=time (hours).
Limiting Pressure Velocity	2.60 MPa-m/sec	74200 psi-ft/min	

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	262 °C	504 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	248 °C	478 °F	ASTM D648

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

Processing Properties	Metric	English	temperature. Comments
-----------------------	--------	---------	--------------------------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China