

A. Schulman ComAlloy Lubrilon® 620 Nylon 6/6, Glass Fiber/Molybdenum Disulfide Filled, Flow Enhanced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber/MoS2 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-620-Nylon-66-Glass-FiberMolybdenum-Disulfide-Filled-Flow-Enhanced.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Ultimate	165 MPa	23900 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	253 MPa	36700 psi	ASTM D790
Flexural Modulus	12.9 GPa	1870 ksi	ASTM D790
Izod Impact, Notched	0.690 J/cm	1.29 ft-lb/in	ASTM D256
Izod Impact, Unnotched	7.47 J/cm	14.0 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)	253 °C	487 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	248 °C	478 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	271 - 285 °C	520 - 545 °F	

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