

A. Schulman ComAlloy Lubrilon® 640 Nylon 6/12, PTFE Reinforced, Flow Enhanced

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612 with PTFE Filler

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-640-Nylon-612-PTFE-Reinforced-Flow-Enhanced.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Ultimate	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	74.0 MPa	10700 psi	ASTM D790
Flexural Modulus	2.10 GPa	305 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	5.39 J/cm	10.1 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	195 - 215 °C	383 - 419 °F	
Deflection Temperature at 0.46 MPa (66 psi)	174 °C	345 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	ASTM D648

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