

A. Schulman ComAlloy Comtuf® 604 Nylon 6/6, Impact Modified, Flow Enhanced

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade

Material Notes:

Data provided by the manufacturer, ComAlloy International Company. Superior toughness and impact resistance characterize Comtuf® materials. 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-Comtuf-604-Nylon-66-Impact-Modified-Flow-Enhanced.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785
Tensile Strength, Ultimate	48.0 MPa	6960 psi	ASTM D638
Elongation at Break	138 %	138 %	ASTM D638
Flexural Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	1.70 GPa	247 ksi	ASTM D790
Izod Impact, Notched	10.3 J/cm	19.3 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	255 - 275 °C	491 - 527 °F	
Deflection Temperature at 0.46 MPa (66 psi)	97.0 °C	207 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °F	ASTM D648

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	285 - 302 °C	545 - 576 °F	

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