

A. Schulman ComAlloy Lubrilon® 512 Polycarbonate, Glass Fiber/PTFE, UL

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass + 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-512-Polycarbonate-Glass-FiberPTFE-UL.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	66.0 MPa	9570 psi	ASTM D638
Elongation at Break	11 %	11 %	ASTM D638
Flexural Strength	117 MPa	17000 psi	ASTM D790
Flexural Modulus	3.90 GPa	566 ksi	ASTM D790
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256
Izod Impact, Unnotched	2.67 J/cm	5.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	136 °C	277 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	132 °C	270 °F	ASTM D648
Glass Transition Temp, Tg	145 - 150 °C	293 - 302 °F	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	304 - 321 °C	579 - 610 °F	

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