

A. Schulman ComAlloy Comtuf® 524 Polycarbonate/Styrenic Alloy

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate/Styrenic Alloy , Polystyrene (PS)

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-524-PolycarbonateStyrenic-Alloy.php

| Physical Properties | Metric | English | Comments |
|-----------------------|--------------|---------------------------|-----------|
| Density | 1.12 g/cc | 0.0405 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 | 76.0 MPa | 11000 psi | ASTM D638 |
| Elongation at Break | 30 % | 30 % | ASTM D638 |
| Flexural Strength | 131 MPa | 19000 psi | ASTM D790 |
| Flexural Modulus | 2.90 GPa | 421 ksi | ASTM D790 |
| Izod Impact, Notched | 0.690 J/cm | 1.29 ft-lb/in | ASTM D256 |
| Izod Impact, Unnotched | 8.01 J/cm | 15.0 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|---|--------------|--------------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 138 °C | 280 °F | ASTM D648 |
| Deflection Temperature at 1.8 MPa (264 psi) | 116 °C | 241 °F | ASTM D648 |
| Glass Transition Temp, Tg | 145 - 150 °C | 293 - 302 °F | |

| Processing Properties | Metric | English | Comments |
|---------------------------|--------------|--------------|----------|
| Middle Barrel Temperature | 246 - 277 °C | 475 - 531 °F | |

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