

## Chem Polymer Chemlon 182 Nylon 66, Flame Retarded

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Unreinforced, Flame Retardant

### Material Notes:

A non-halogenated, unfilled nylon 66 used in electrical applications where improved flame retardancy is required. The material has excellent moldability, good snap-fit properties and is available in a range of colors. Data provided by the manufacturer, Chem Polymer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chem-Polymer-Chemlon-182-Nylon-66-Flame-Retarded.php](http://www.lookpolymers.com/polymer_Chem-Polymer-Chemlon-182-Nylon-66-Flame-Retarded.php)

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in <sup>3</sup>	ASTM D792

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	72.0 MPa	10400 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Yield Strength	85.0 MPa	12300 psi	ASTM D790
Flexural Modulus	3.30 GPa	479 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	252 °C	486 °F	ASTM D789
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	CTI, V

Processing Properties	Metric	English	Comments
Melt Temperature	277 °C	531 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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