

Product Texts

LNP LUBRICOMP 5CL24 compound is based on Polyvinylidene Fluoride (PVDF) resin containing 10% PTFE and 20% carbon fiber. Added features of this grade include: Wear Resistant, Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	17070	MPa	ASTM D 638
Tensile Strength at Break	117	MPa	ASTM D 638
Elongation at Break	1.3	%	ASTM D 638
Flexural Modulus	14820	MPa	ASTM D 790
Flexural Strength	172	MPa	ASTM D 790

Other properties	Value	Unit	Test Standard
Density	1780	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120 - 150	°C	-
Pre-drying - Time	4	h	-
Melt temperature	215 - 230	°C	-
Mold temperature	65 - 90	°C	-
Zone 1	190 - 210	°C	-
Zone 2	210 - 225	°C	-
Zone 3	225 - 245	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity