

Product Texts

LNP LUBRICOMP WR5210R compound is based on Polycarbonate (PC) resin containing 7% PTFE. Added features of this grade include: Internally Lubricated, Wear Resistant.

UL Yellow Card Link [E207780-228457](https://www.ulprospector.com/2022/02/228457)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	21.5	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	53	MPa	ASTM D 638
Tensile Strength at Break	55	MPa	ASTM D 638
Elongation at Break	75	%	ASTM D 638
Flexural Modulus	2030	MPa	ASTM D 790
Izod Impact notched, 1/8 in	181	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	275 - 300	°C	-
Mold temperature	70 - 95	°C	-
Zone 1	255 - 275	°C	-
Zone 2	265 - 290	°C	-
Zone 3	275 - 300	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific