

LNP™ LUBRICOMP™ Compound OL009

(PPS+PTFE)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRICOMP OL009 compound is based on Polyphenylene Sulfide (PPS) - linear resin containing 45% PTFE. Added features of this grade include: Wear Resistant.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2640	MPa	ASTM D 638
Tensile Strength at Break	37	MPa	ASTM D 638
Elongation at Break	3.1	%	ASTM D 638
Flexural Modulus	2590	MPa	ASTM D 790
Flexural Strength	68	MPa	ASTM D 790
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	136	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1610	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	315 - 320	°C	-
Mold temperature	140 - 165	°C	-
Zone 1	305 - 315	°C	-
Zone 2	320 - 330	°C	-
Zone 3	330 - 345	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific