

**LNP™ LUBRICOMP™ Compound KL005**

(POM+PTFE)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

LNP LUBRICOMP KL005 compound is based on Acetal (POM) Copolymer resin containing 25% PTFE. Added features of this grade include: Wear Resistant.

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>2200</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>37</b>	MPa	ASTM D 638
Elongation at Break	<b>12</b>	%	ASTM D 638
Flexural Modulus	<b>1950</b>	MPa	ASTM D 790
Flexural Strength	<b>55</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>32</b>	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	<b>630</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
DTUL @ 264 psi	<b>90</b>	°C	ASTM D 648

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1550</b>	kg/m <sup>3</sup>	ASTM D 792

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4</b>	h	-
Melt temperature	<b>200 - 215</b>	°C	-
Mold temperature	<b>80 - 110</b>	°C	-
Zone 1	<b>175 - 190</b>	°C	-
Zone 2	<b>195 - 205</b>	°C	-
Zone 3	<b>210 - 220</b>	°C	-
Screw speed	<b>30 - 60</b>	rpm	-
Back pressure	<b>0.2 - 0.3</b>	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific