

**Product Texts**

LNP LUBRILOY RF206 compound is based on Nylon 6/6 resin containing 30% glass fiber and proprietary lubricant. Added features of this grade include: Wear Resistant.

UL Yellow Card Link [E45329-101282646](https://www.ulprospector.com/PA66-GF30)

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	30	cm <sup>3</sup> /10min	ISO 1133
Temperature	300	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	9000	MPa	ISO 527
Stress at break	135	MPa	ISO 527
Strain at break	3.2	%	ISO 527
Flexural modulus	7500	MPa	ISO 178
Flexural strength	195	MPa	ISO 178
Charpy impact strength, +23°C	70	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength, +23°C	17	kJ/m <sup>2</sup>	ISO 179/1eA
Izod impact strength, +23°C, 4mm	58	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C, 4mm	12	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Tensile Modulus	9000	MPa	ASTM D 638
Tensile Strength at Break	122	MPa	ASTM D 638
Elongation at Break	2.5	%	ASTM D 638
Flexural Modulus	7200	MPa	ASTM D 790
Izod Impact notched, 1/8 in	95	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	800	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	228	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	252	°C	ISO 75-1/-2
Vicat softening temperature, B	185	°C	ISO 306
Vicat softening temperature, 120°C/h 50N	185	°C	ISO 306
Coeff. of linear therm. expansion, parallel	19	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	110	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
<b>ASTM Data</b>			
DTUL @ 66 psi	258	°C	ASTM D 648
DTUL @ 264 psi	241	°C	ASTM D 648
Vicat Temperature	185	°C	ASTM D 1525
<b>Other properties</b>			
Humidity absorption	0.45	%	Sim. to ISO 62
Density	1240	kg/m <sup>3</sup>	ISO 1183
Water Absorption, 24hr	0.45	%	ASTM D 570
Density	1240	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	4	h	-

**LNP™ LUBRILOY™ Compound RF206**

PA66-GF30

Saudi Basic Industries Corporation (SABIC)

Processing humidity	≤0.25	%	-
Melt temperature	270 - 280	°C	-
Mold temperature	80 - 95	°C	-
Zone 1	265 - 275	°C	-
Zone 2	280 - 295	°C	-
Zone 3	295 - 305	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	0.2 - 0.3	MPa	-

**Characteristics****Processing**

Injection Molding

**Regional Availability**

North America, Europe, Asia Pacific