

LNP™ LUBRILOY™ Compound ZX06315

(PPE+PS)

Saudi Basic Industries Corporation (SABIC)

Product Texts

LNP LUBRILOY ZX06315 is a compound based on PPE+PS Blend resin containing Flame Retardant, Proprietary Lubricant. Added features of this material include: Internally Lubricated, Non-Brominated & Non-Chlorinated Flame Retardant, Flame Retardant, high HDT.

UL Yellow Card Link [E207780-102991929](https://www.ulprospector.com/2020/10/29/91929)

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	38	cm ³ /10min	ISO 1133
Temperature	280	°C	-
Load	10	kg	-
ASTM Data			
Mold Shrinkage, MD	0.95	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.92	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2270	MPa	ASTM D 638
Tensile Strength at Yield	63	MPa	ASTM D 638
Tensile Strength at Break	50	MPa	ASTM D 638
Elongation at Yield	5	%	ASTM D 638
Elongation at Break	11.9	%	ASTM D 638
Flexural Modulus	2190	MPa	ASTM D 790
Rockwell Hardness	R 115	-	ASTM D 785
Izod Impact notched, 1/8 in	230	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
ASTM Data			
DTUL @ 264 psi	124	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	1070	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80	°C	-
Pre-drying - Time	3 - 4	h	-
Melt temperature	270 - 295	°C	-
Mold temperature	60 - 95	°C	-
Zone 1	255 - 265	°C	-
Zone 2	260 - 270	°C	-
Zone 3	265 - 275	°C	-
Screw speed	40 - 100	rpm	-
Back pressure	0.2 - 0.4	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Additives

Flame retarding agent

Regional Availability

North America, Europe, Asia Pacific