

# LNP™ LUBRICOMP™ IAL12 compound

Polyamide 612

SABIC Innovative Plastics

## Message:

LNP LUBRICOMP IAL12 is a compound based on Nylon 6/12 resin containing PTFE, Aramid Fiber. Added features of this material include: Internally Lubricated.

Also known as: LNP\* LUBRICOMP\* Compound IAL-4012

Product reorder name: IAL12

General Information			
Filler / Reinforcement	Aramid fiber		
Additive	PTFE lubricant		
Features	Lubrication		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (24 hr)	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	3150	MPa	ASTM D638
Tensile Strength (Break)	73.1	MPa	ASTM D638
Tensile Elongation (Break)	7.2	%	ASTM D638
Flexural Modulus	3000	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	440	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.20 mm)	109	°C	ASTM D648
NOTE			

1. 50 mm/min

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## Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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