

A GROWING PORTFOLIO OF UL746G-CERTIFIED MATERIALS MEETING PFAS REGULATIONS

Manufacturers face uncertainty on how to source materials meeting potential PFAS regulations without sacrificing critical performance related to flame retardance or environmental durability.

The LNP™ PC copolymers and compounds portfolio under the NP family nomenclature can help address these concerns. SABIC’s new NP family is certified per UL746G – an outline of investigation for Non-Fluorine and Non-PFAS containing materials. Plus, these materials meet UL94 V-0 ratings at 1.5mm down to 1.0 mm.

Materials that are found to comply with UL746G requirements will be searchable and have the certificates published on their individual recognition cards (Yellow Cards).

The new NP family offers a combination of properties to help meet customer’s challenges across multiple segments such as consumer electronics, healthcare, infrastructure, mobility, and industrial.



Learn more about UL746G testing.
bit.ly/UL-PFAS-TEST

CUSTOM-COLORABLE UL746G CERTIFIED GRADES UNDER THE NEW NP FAMILY NOMENCLATURE

LNP™ ELCRES™ RESINS	UL94 V-0 @ 1.0mm	High flow (MVR 24) Low temp ductility (-40°C)	NPEXL9834
	UL94 V-0 @ 1.5mm	Standard flow (MVR 7) Low temp ductility (-60°C)	NPCXL9030L
		Enhanced resistance to disinfectants	NPCR9612U

MORE DESIGN FREEDOM IN ELECTRONICS

The new LNP™ ELCRES™ **NPEXL9834** resin brings unprecedented dual certification of UL746G and UL 94 V-0 at an impressive 1.0 mm thinness.

LNP ELCRES NPEXL9834 resin can bring excellent durability and reliability to electronics devices while helping OEMs to address PFAS concerns.



EXCELLENT PROCESSING

High flowability for more design freedom



ROBUST FLAME RETARDANCE

Thin wall UL94 V-0 rating at an impressive 1.0 mm, all colors.



MORE DURABILITY IN DAILY USE

With standard-flow and UL94 V-0 at 1.5 mm, the UL746G certified LNP ELCRES **NPCXL9030L** resin offers extreme low temperature ductility down to -60°C.

Plus, consumer electronics, mobility and infrastructure components can benefit from additional durability thanks to excellent chemical resistance.



SUPERIOR IMPACT DUCTILITY

Outdoor use with -60°C ductility. Excellent heat/hydro stability.



CHEMICAL RESISTANCE

Enhanced ESCR in combination with typical EXL features



MORE RELIABILITY IN MEDICAL DEVICES

Frequent exposure to aggressive disinfectants can cause environmental stress cracking potentially resulting in premature failure and warranty claims.

The new UL746G certified LNP™ ELCRES™ **NPCR9612U** resin offers excellent resistance to disinfectants while meeting UL 94 V-0 at 1.5mm.



DISINFECTANT RESISTANCE

Enhanced ESCR to disinfectants used in hospitals



BIO-COMPATIBLE

Bio-compatibility according to parts 5 & 10 of ISO10993



MORE SUSTAINABLE OPTIONS

LNP NP grades can be produced under the LNP™ ELCRIN™ brand as **ISCC+ certified bio-renewable polymers** to help reduce carbon emissions.

These products are part of SABIC's TRUCIRCLE™ portfolio and services for circular solutions. Learn more about sustainable solutions on our website.



SUSTAINABILITY

Lower carbon footprint



EASY TO IMPLEMENT

Potential drop-in solution



Access Technical Data Sheets for
UL746G certified NP grades
bit.ly/NPGrades_UL746G

MORE THAN MATERIALS

Reach out to us for one-on-one support to ensure you have all the information and insights you need to help you choose the best-fit materials for your applications.

Did you know that SABIC offers all these services and more?

- Product suggestions and samples
- Design and predictive engineering
- Teardowns and prototyping
- Processing technical support
- Application testing guidance
- Industry regulatory information
- COLORXPRESS™ color matching services

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SABIC MATERIAL FINDER
Find the right Specialties material
for your application ▶



LNP RESINS
& COMPOUNDS

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