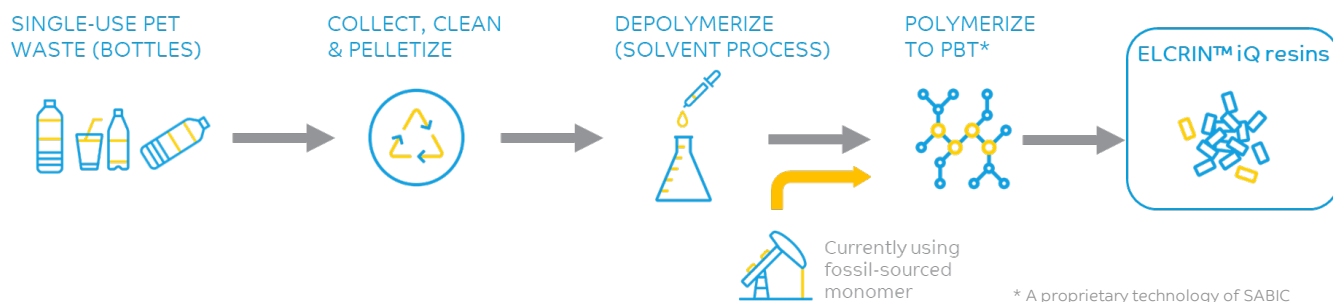


LNP™ ELCRIN™ iQ RESIN FOR CIRCULAR SOLUTIONS

SABIC's LNP ELCRIN iQ resin is a proprietary technology which uses chemical de-polymerization to process single used recycled PET plastics into a polymer - polybutylene terephthalate (PBT). ELCRIN iQ PBT resin contains up to 60% recycled weight content and offers a drop-in solution for conventional PBT and other alloy materials with similar applications in industries such as electronics & electrical, consumer, healthcare and automotive.



Upcycling of post consumer recycled PET into ELCRIN iQ resins



VALUE PROPOSITION COMPARED TO FOSSIL BASED PBT COMPOUNDS



Reduced carbon, energy footprint



Improved social impact



Similar mechanical properties & color space



Drop-in solution for existing tools



REACH¹, RoHS² and EPEAT compliant



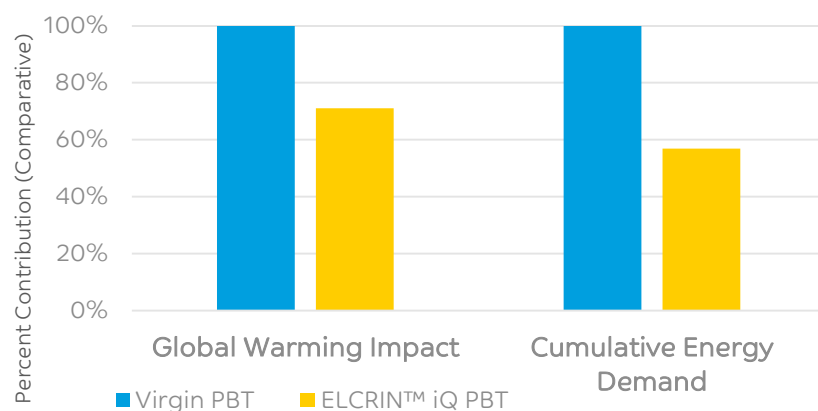
SABIC LNP Health care policy compliance
May comply with regional food contact regulations

1. REACH according EC1907/2006 and [related ECHA list of restricted substances](#)

2. RoHS according Directive 2011/65/EU, 2015/863/EU, 2017/2102/EU and its amendments.

LNPT™ ELCRIN™ iQ RESIN FOR CIRCULAR SOLUTIONS

COMPARISON OF RESIN CRADLE TO GATE FOOTPRINT DATA ***



COMPARED WITH VIRGIN PBT*

↓ 29% Global Warming Impact**

↓ 43% Cumulative Energy Demand**

↓ 15% Water consumption

* Virgin PBT resin produced through PTA process

** Midpoint impacts, **Cumulative Energy Demand V1.11** and **IPCC 2013 GWP 100a V1.03** used to measure CED and GW impacts.

*** The life cycle assessment study was completed by SABIC in 2020 and underwent third-party critical review as per ISO 14040/14044 standards.

ELCRIN™ iQ product provides a **drop-in circular** solution to virgin PBT and other conventional alloy materials with similar properties. Compared to other recycled technologies, ELCRIN™ iQ portfolio can offer consistent quality, colorable space and regional food contact regulation compliance.

Grade	Description	PCR content (wt%) ¹
W1000XiQ	Unfilled PBT, general purpose	Minimum 56 %
W1000JiQ	Unfilled PBT, included in SABIC's healthcare product policy, may comply with regional food contact regulations ²	Minimum 56%
W10001iQ	Unfilled PBT, Non Br/Cl flame retardant	Minimum 44%
WF006XiQ	30% glass, PBT, general purpose	Minimum 37%
WF006JiQ	30% glass, PBT, unfilled PBT, included in SABIC's healthcare product policy, may comply with regional food contact regulations ²	Minimum 37%
WF0061iQ	30% glass, PBT, non Br/Cl flame retardant	Minimum 25%
WF006NiQ	30% glass, PBT, dimensional stability, NMT capable	Minimum 25%
610001UXiQ	Unfilled PC/PBT, non Br/Cl flame retardant, UV	Minimum 12%
610009UXiQ	Unfilled PC/PBT, FR, UV	Minimum 19%
610001iQ	Unfilled PC/PBT, impact modified	Minimum 22%
6K002XiQ	10% talc filled, PBT/PC	Minimum 18%

Contacts:

AMR: Yuanqing He Yuanqing.he@sabic.com

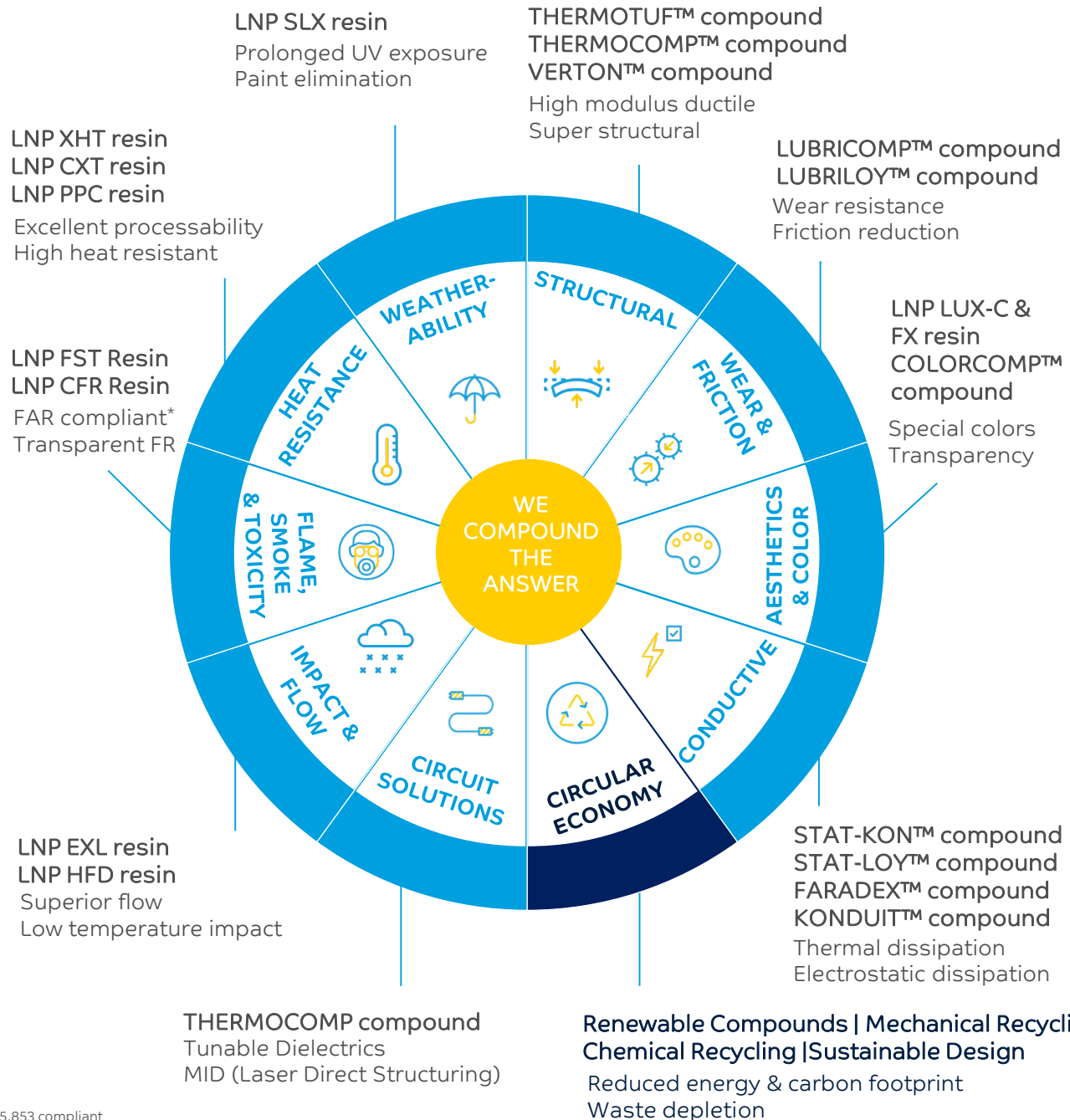
APAC: Morgan Zou morgan.zou@sabic.com

EMEA: Willem Hamersma willem.hamersma@sabic.com

1. PCR content certification is conducted by SCS Global Service.
2. Food contact declaration letter provided per request

LNPT™ COMPOUNDS & COPOLYMER RESINS

Over 70 years of innovation in thermoplastic compounding enables SABIC's Specialties business to offer an extensive materials portfolio.



*FAR25.853 compliant

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