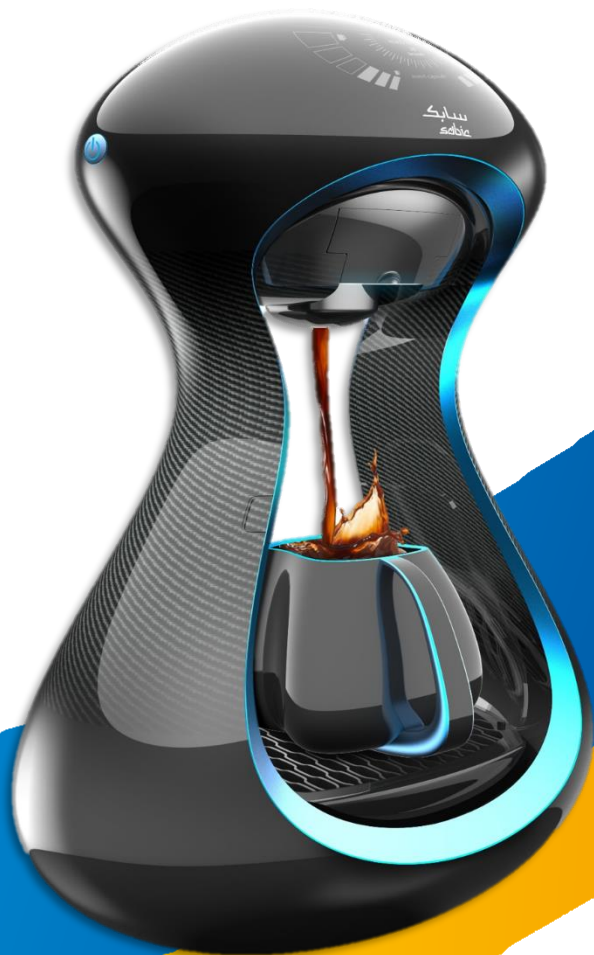


ENHANCING EFFICIENCY AND DURABILITY

SABIC® PP COMPOUNDS PORTFOLIO OVERVIEW



EFFICIENT SOLUTIONS FOR YOUR NEEDS

SABIC® PP Compounds for
innovation, production and
performance benefits.

1 HIGH STRENGTH
AND STIFFNESS

2 LOW DENSITY

3 EXCELLENT CHEMICAL
RESISTANCE AND
EASY PROCESSABILITY



SABIC® PP COMPOUNDS

SABIC® PP Compounds are materials based on polypropylene that is blended with other components such as impact modifiers, mineral fillers, glass fibers, pigments and stabilizers. These compounds are based on SABIC's advanced polypropylenes and provide properties such as improved strength and stiffness, while maintaining the low density and chemical resistance known for polypropylenes. STAMAX™ resins are long glass fiber reinforced polypropylene (LGF PP) compounds offering potential benefits for innovation, production and cost/performance balance.

GLASS FIBER REINFORCED

The properties of Glass Fiber Reinforced SABIC® PP Compound grades include high stiffness, molded part strength, and continuous performance at elevated temperatures. These advantages combined with low moisture sensitivity can help replace thermoplastic materials such as polyamides (PA). Compared to ABS, the chemical resistance of glass fiber reinforced SABIC® PP Compounds aim to offer improved long term performance of your applications.

Glass Fiber Reinforced SABIC® PP Compound products can be used in high performance applications such as washing machine tumble, water management system parts. It also offers a low cost alternative for materials used in structural parts of furnitures and electrical power tools.

MINERAL FILLED COMPOUNDS

Talc filled SABIC® PP Compound grades aim to offer an upgrade in performance versus standard PP resins with an improved balance of stiffness and heat resistance. They also enable achieving lower part thickness thus potentially lower cost.

Talc filled PP compound products are widely used in diverse industries for various applications including automotive HVAC systems, dishwasher parts, air conditioner fan blades and food containers. SABIC's PP base resins with high impact resistance and low emission enables high performance of the mineral filled PP compounds.

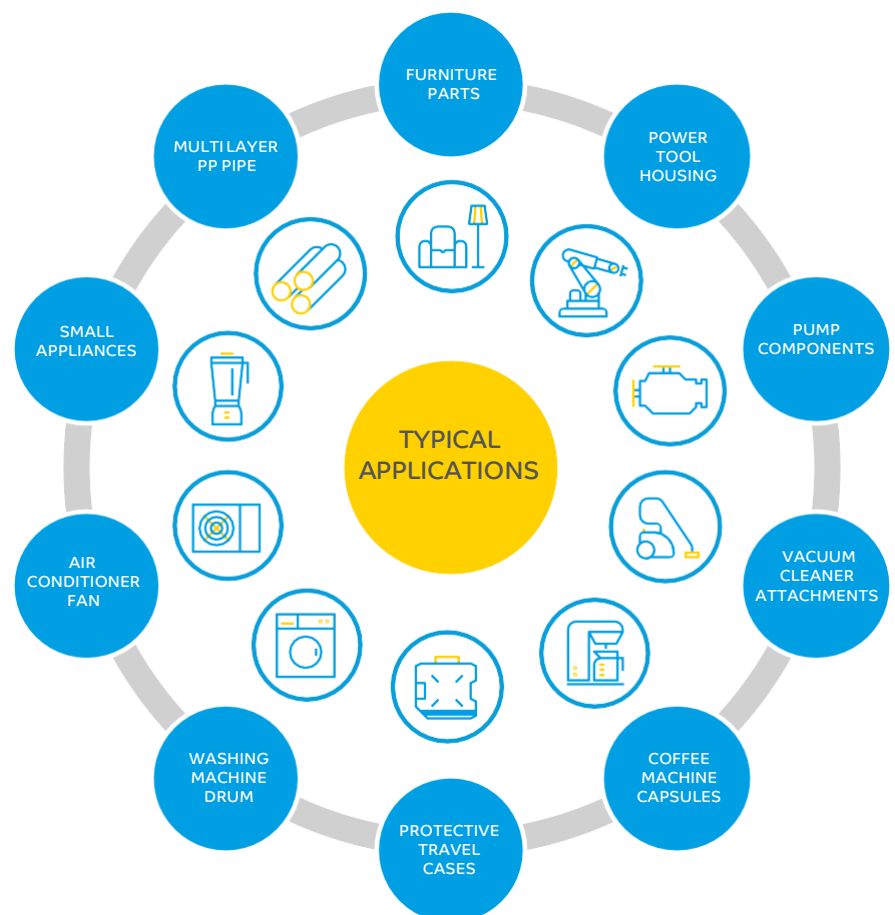
TYPICAL APPLICATIONS

SABIC PP Compound products are typically used in automotive applications, home appliances, small appliances, electrical power tools and various electrical equipments, water pumps and water management systems, furnitures, pipe and construction industries.

POTENTIAL BENEFITS

Widely utilized across many industries, SABIC® PP Compounds bring significant value to

- The specific needs of your applications over its lifetime by offering an upgraded material property balance compared to standard PP.
- Reduce production costs by leveraging the lower density and ease of processing of PP to replace other thermoplastic materials.
- Enabling total system cost reduction by eliminating secondary operations such as painting, coating or assembly.

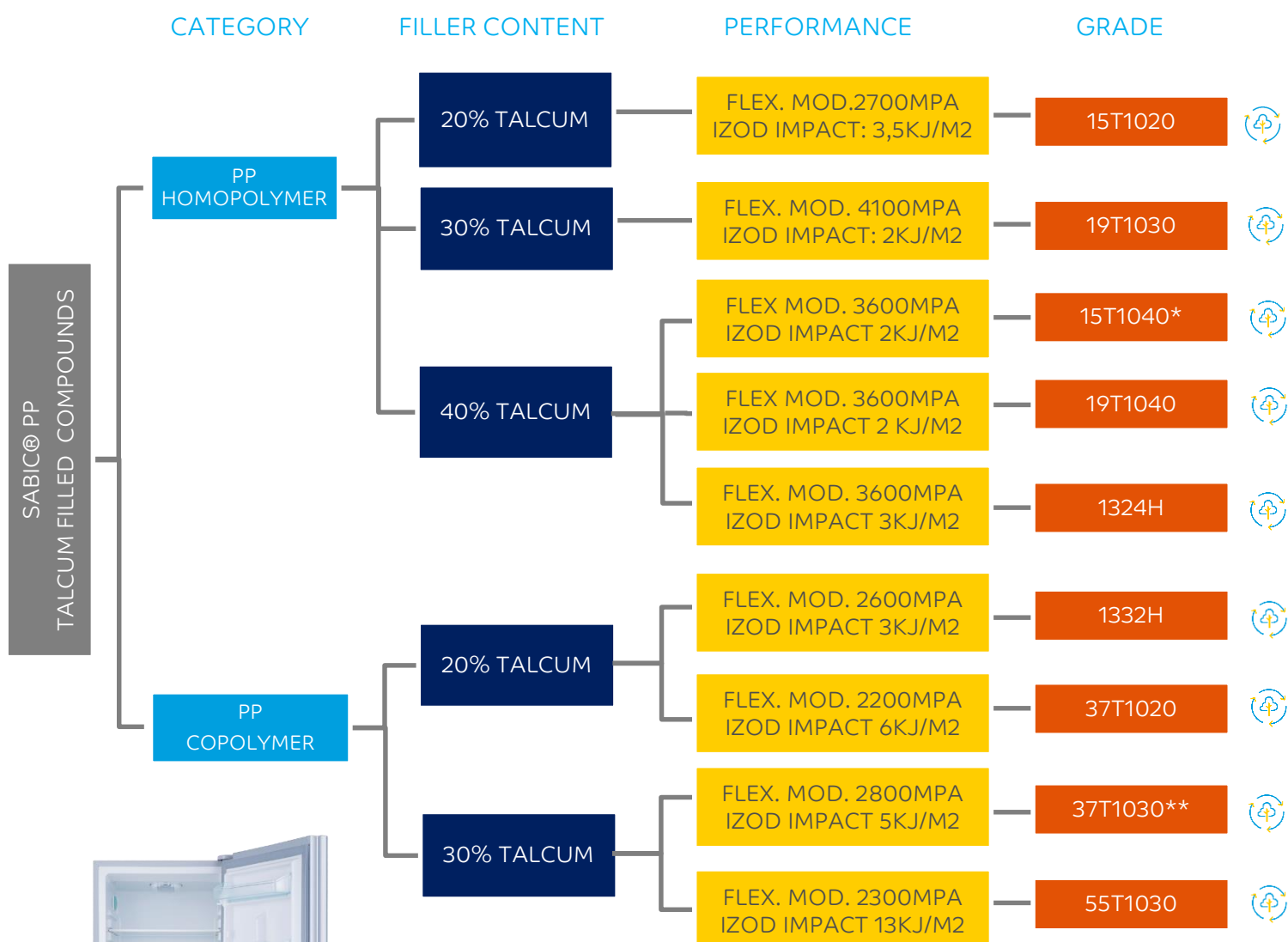


SABIC® PP COMPOUNDS

PORTFOLIO OVERVIEW

(POTENTIAL PRODUCTS PER APPLICATIONS)

REFRIGERATORS




* Available in US
** Available in KSA

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

REFRIGERATORS

	CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE	
SABIC® PP COMPOUND HALOGEN FREE- FR	UNFILLED	PP COPOLYMER	0%	TENSILE MODULUS 960MPa UL 94 V0 @2mm	H1200
	SHORT GLASS FIBER (SGF) PP	PP HOMOPOLYMER	15%	TENSILE MODULUS 4.7 GPa UL 94 V0 @3mm	H1015
			20%	TENSILE MODULUS 6.4 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1020
			25%	TENSILE MODULUS 7.6 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1025
			30%	TENSILE MODULUS 8.7 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1030
			PP COPOLYMER	30%	TENSILE MODULUS 7.5 GPa UL 94 V0 @1.5 mm
	STAMAX™ RESIN (LGF PP)	PP COPOLYMER	30%	TENSILE MODULUS 8.1 GPa UL 94 V0@3.0 mm	30YH530 



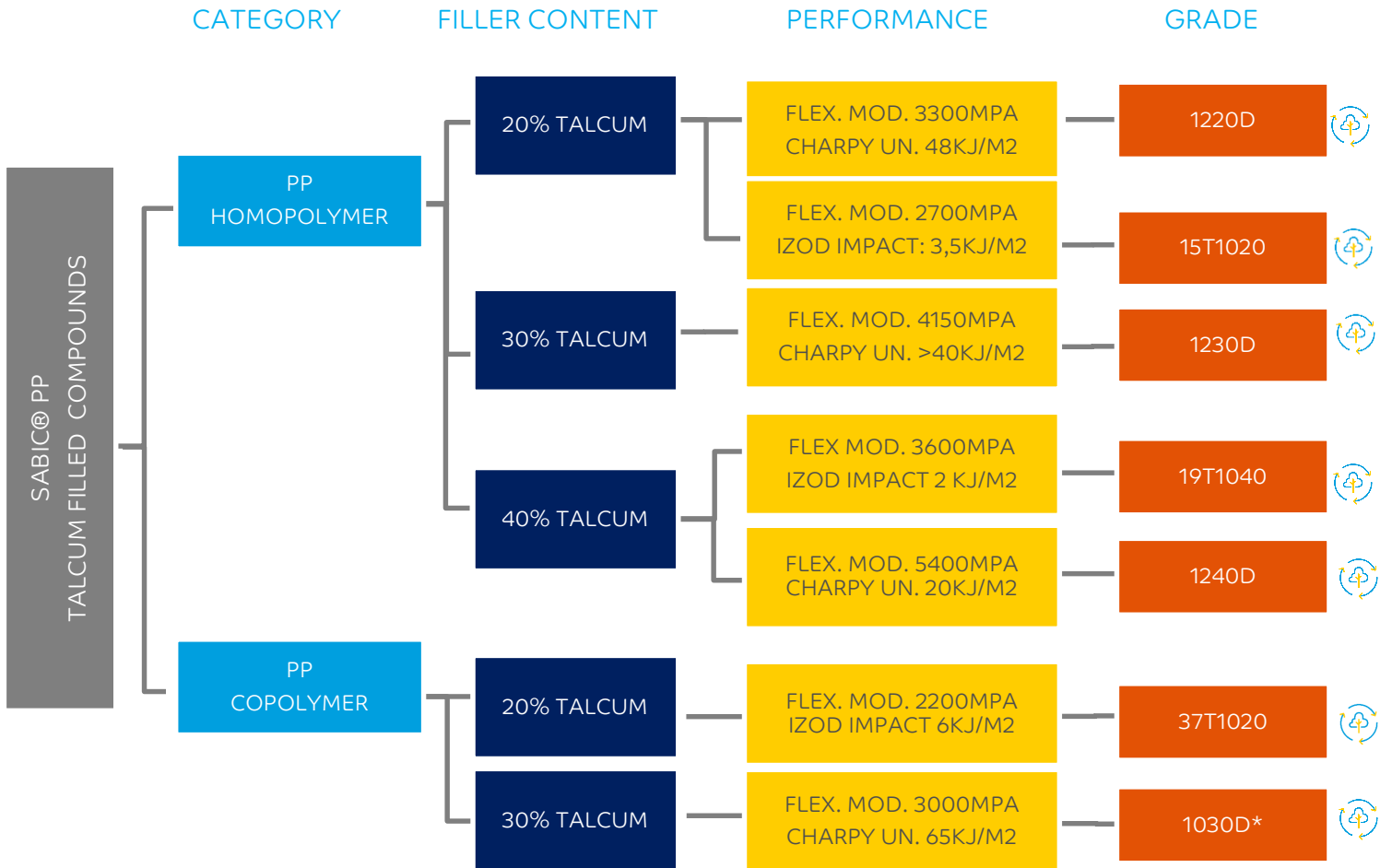
**Available in KSA

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Certified renewable PP made with bio-feedstock

DISHWASHERS



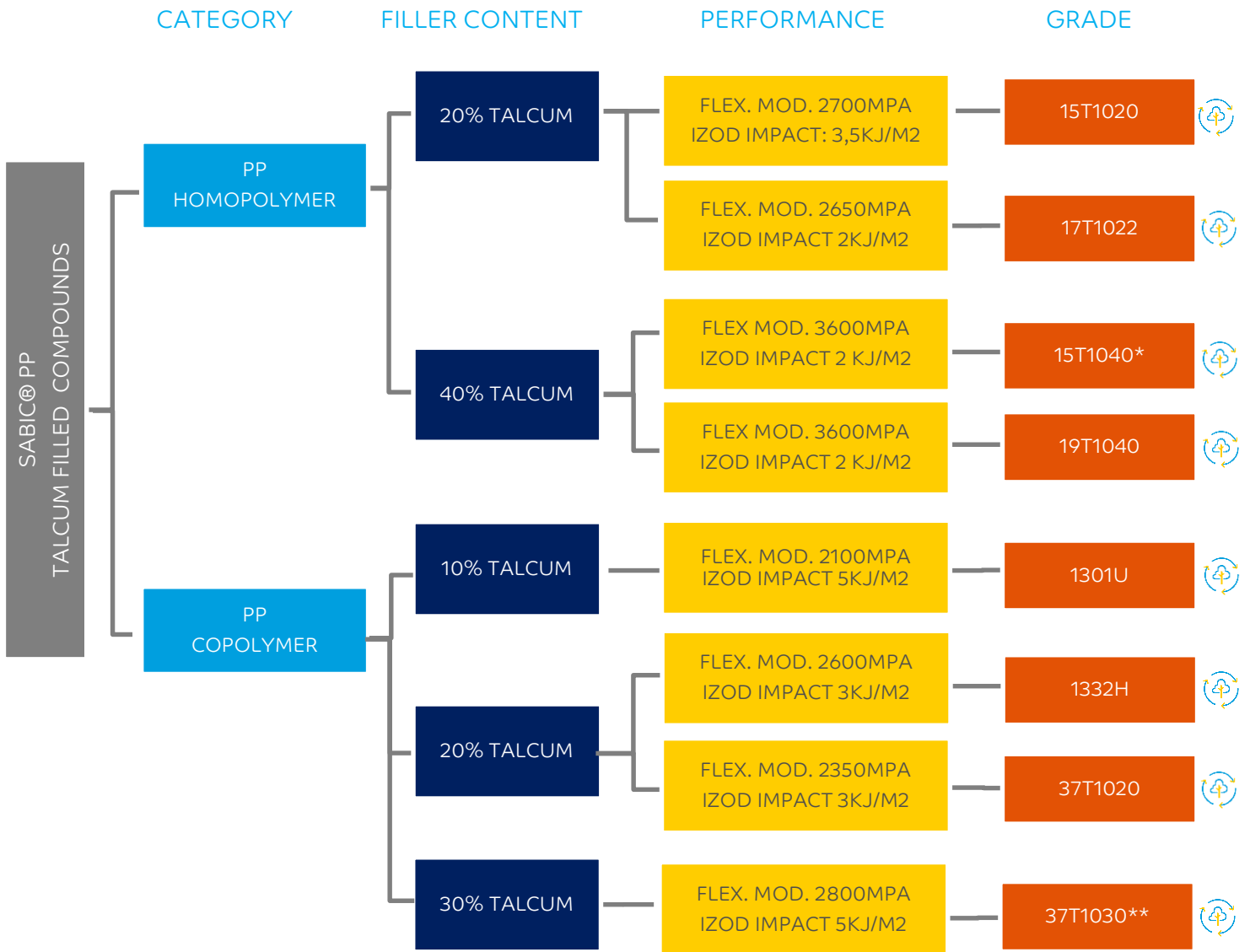
*UL 94, UL 746B and UL 749 data is available on request.

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Certified renewable PP made with bio-feedstock

WASHING MACHINES



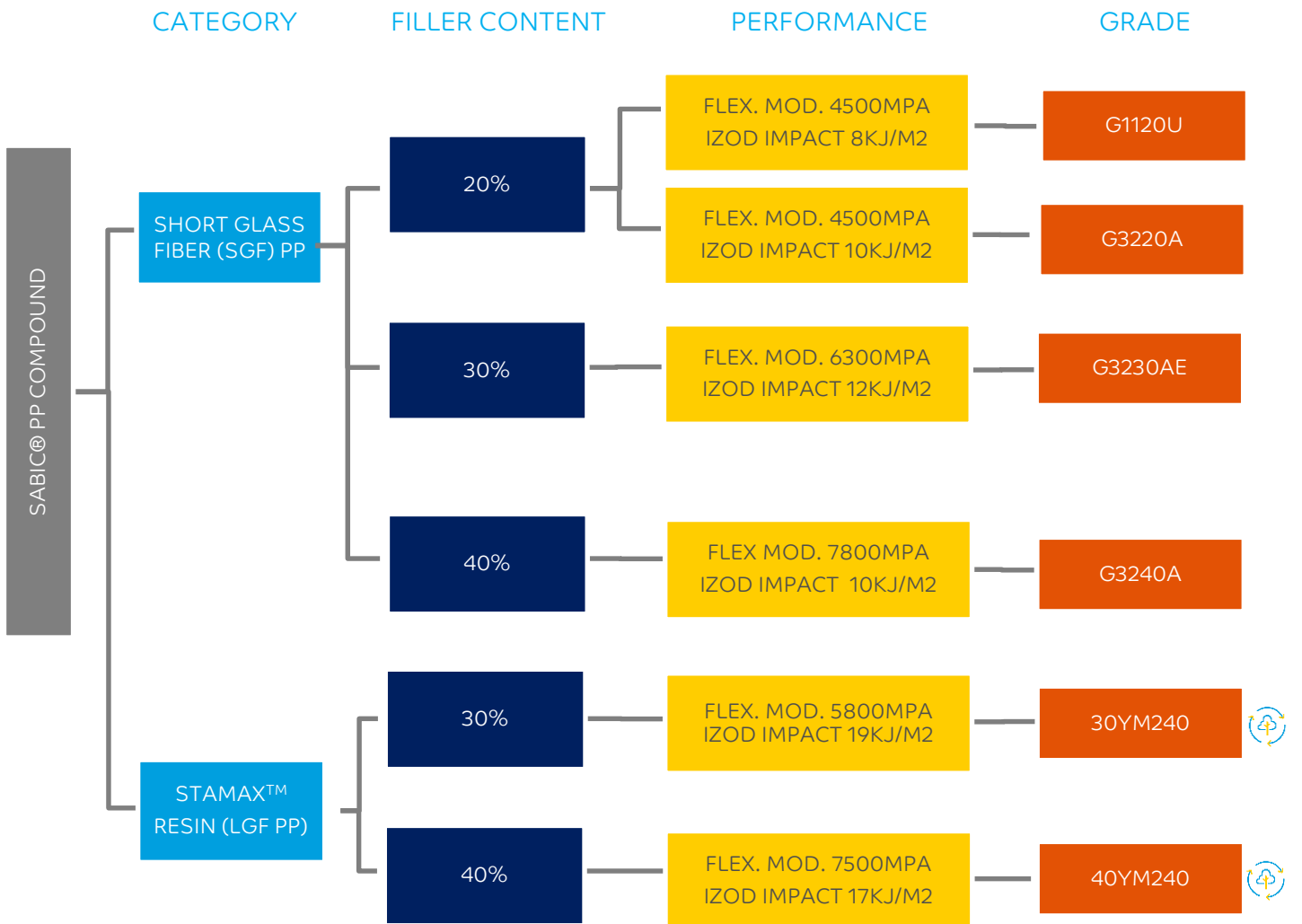
* Available in US
 ** Available in KSA

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Certified renewable PP made with bio-feedstock

WASHING MACHINES




REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

WASHING MACHINES

	CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE	
SABIC® PP COMPOUND HALOGEN FREE - FR	UNFILLED	PP COPOLYMER	0%	TENSILE MODULUS 960MPa UL 94 V0 @2mm	H1200
	SHORT GLASS FIBER (SGF) PP	PP HOMOPOLYMER	15%	TENSILE MODULUS 4.7 GPa UL 94 V0 @3mm	H1015
			20%	TENSILE MODULUS 6.4 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1020
			25%	TENSILE MODULUS 7.6 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1025
			30%	TENSILE MODULUS 8.7 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1030
			PP COPOLYMER	30%	TENSILE MODULUS 7.5 GPa UL 94 V0 @1.5 mm
	STAMAX™ RESIN (LGF PP)	PP COPOLYMER	30%	TENSILE MODULUS 8.1 GPa UL 94 V0@3.0 mm	30YH530 



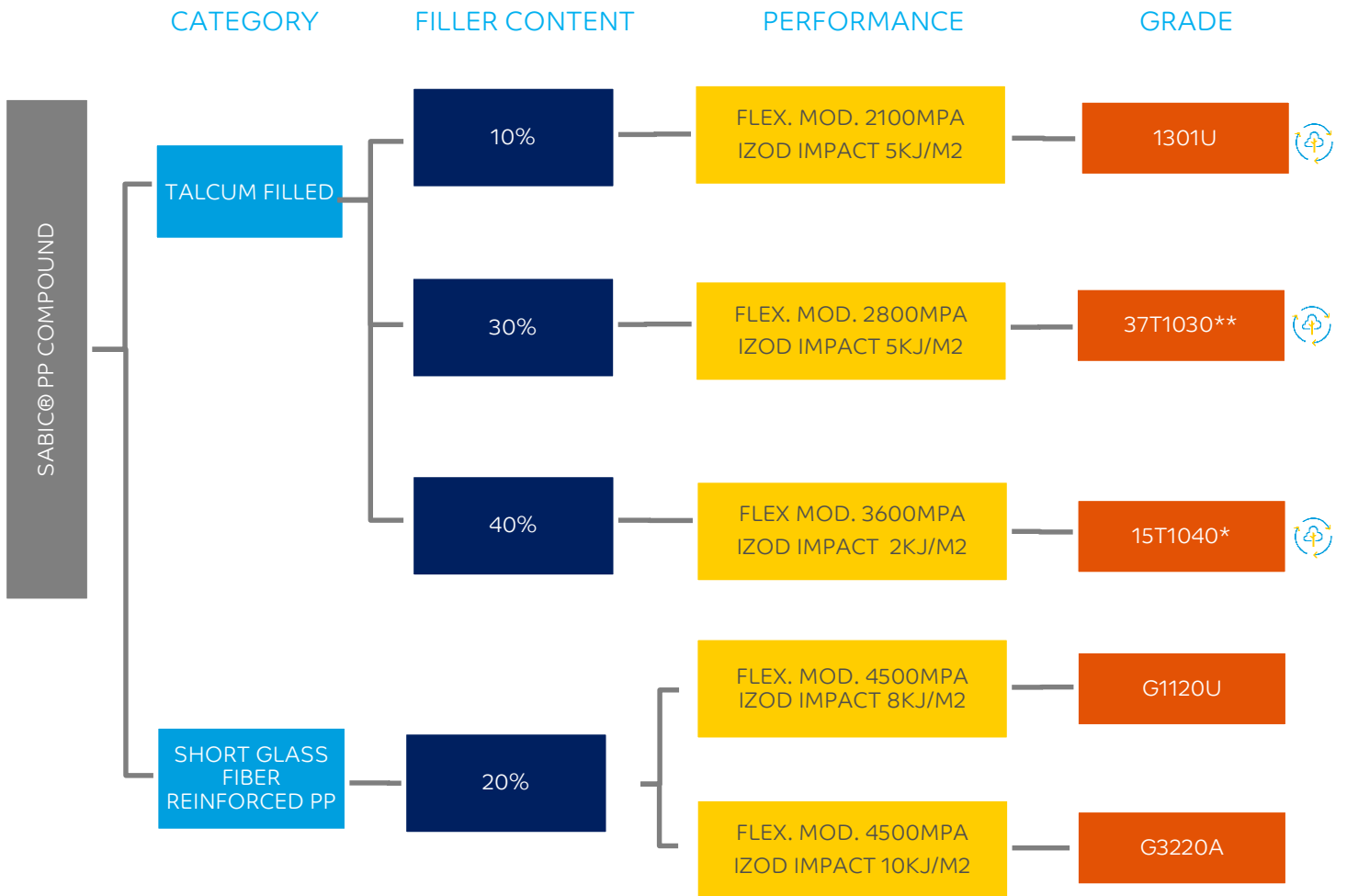
**Available in KSA

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

DRYERS



* Available in US
 ** Available in KSA

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

DRYERS

	CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE	
SABIC® PP COMPOUND HALOGEN FREE- FR	UNFILLED	PP COPOLYMER	0%	TENSILE MODULUS 960MPa UL 94 V0 @2mm	H1200
	SHORT GLASS FIBER (SGF) PP	PP HOMOPOLYMER	15%	TENSILE MODULUS 4.7 GPa UL 94 V0 @3mm	H1015
			20%	TENSILE MODULUS 6.4 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1020
			25%	TENSILE MODULUS 7.6 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1025
			30%	TENSILE MODULUS 8.7 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1030
			PP COPOLYMER	30%	TENSILE MODULUS 7.5 GPa UL 94 V0 @1.5 mm
	STAMAX™ RESIN (LGF PP)	PP COPOLYMER	30%	TENSILE MODULUS 8.1 GPa UL 94 V0@3.0 mm	30YH530



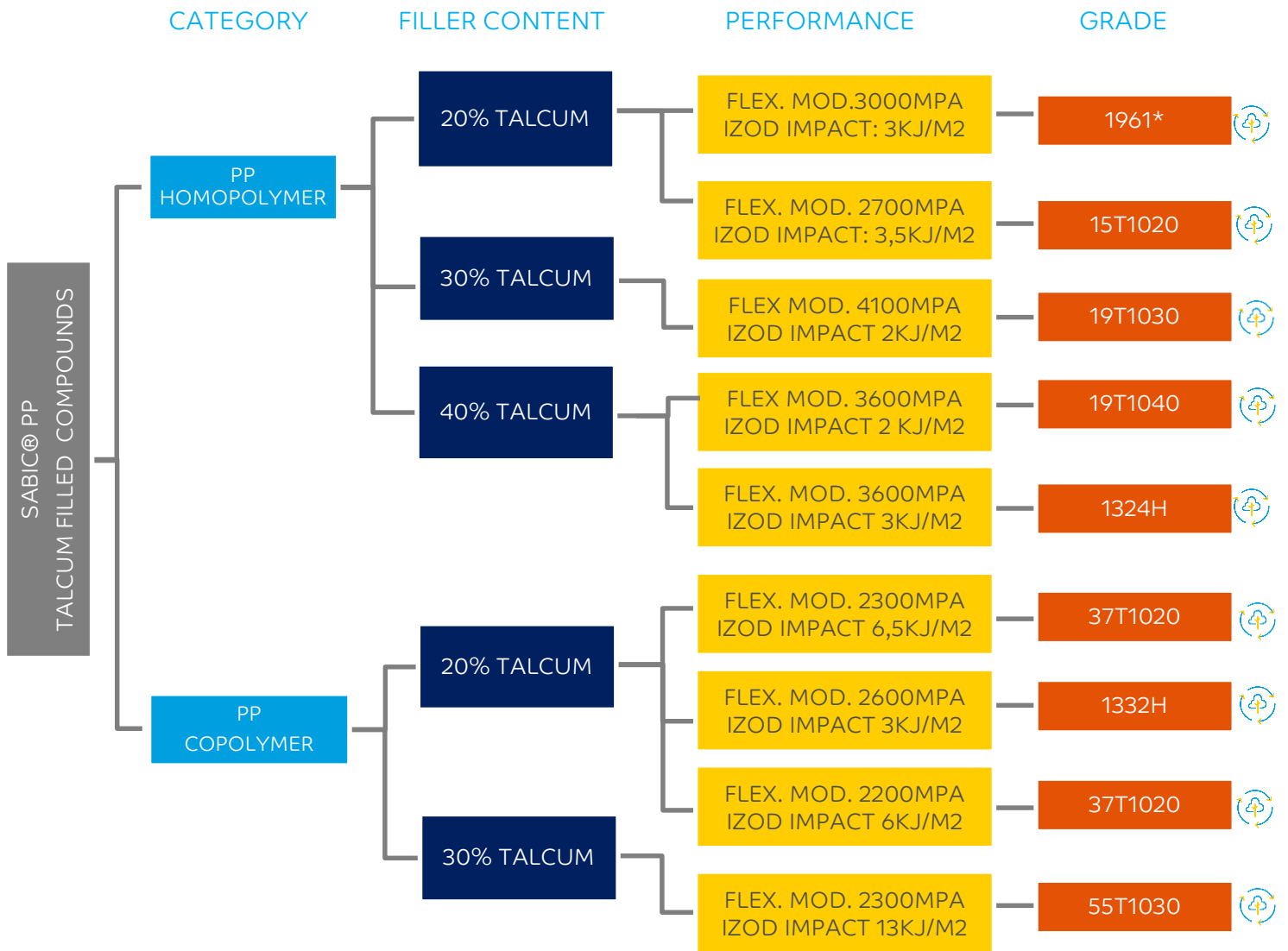
**Available in KSA

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Certified renewable PP made with bio-feedstock

COFFEE MACHINE




*FDA approved

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

GARDEN & POWER TOOLS

		CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE
SABIC® PP COMPOUND HALOGEN FREE - FR	UNFILLED	PP COPOLYMER	0%	TENSILE MODULUS 960MPa UL 94 V0 @2mm	H1200
			15%	TENSILE MODULUS 4.7 GPa UL 94 V0 @3mm	H1015
	SHORT GLASS FIBER (SGF) PP	PP HOMOPOLYMER	20%	TENSILE MODULUS 6.4 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1020
			25%	TENSILE MODULUS 7.6 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1025
			30%	TENSILE MODULUS 8.7 GPa UL 94 V0 @1.5 mm 5VA 3mm	H1030
			30%	TENSILE MODULUS 7.5 GPa UL 94 V0 @1.5 mm	H1130**
	STAMAX™ RESIN (LGF PP)	PP COPOLYMER	30%	TENSILE MODULUS 8.1 GPa UL 94 V0@3.0 mm	30YH530 



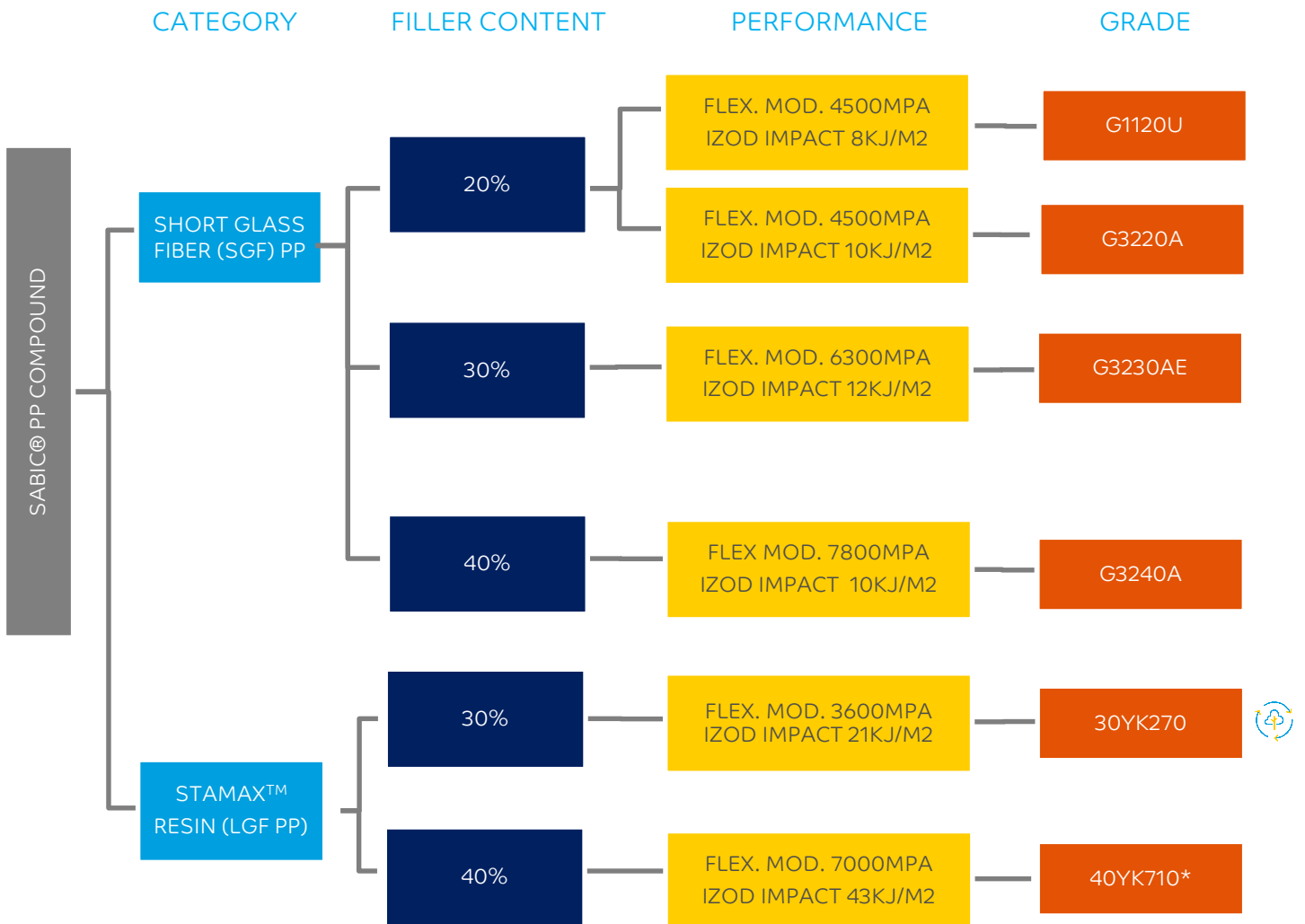
**Available in KSA

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

GARDEN & POWER TOOLS



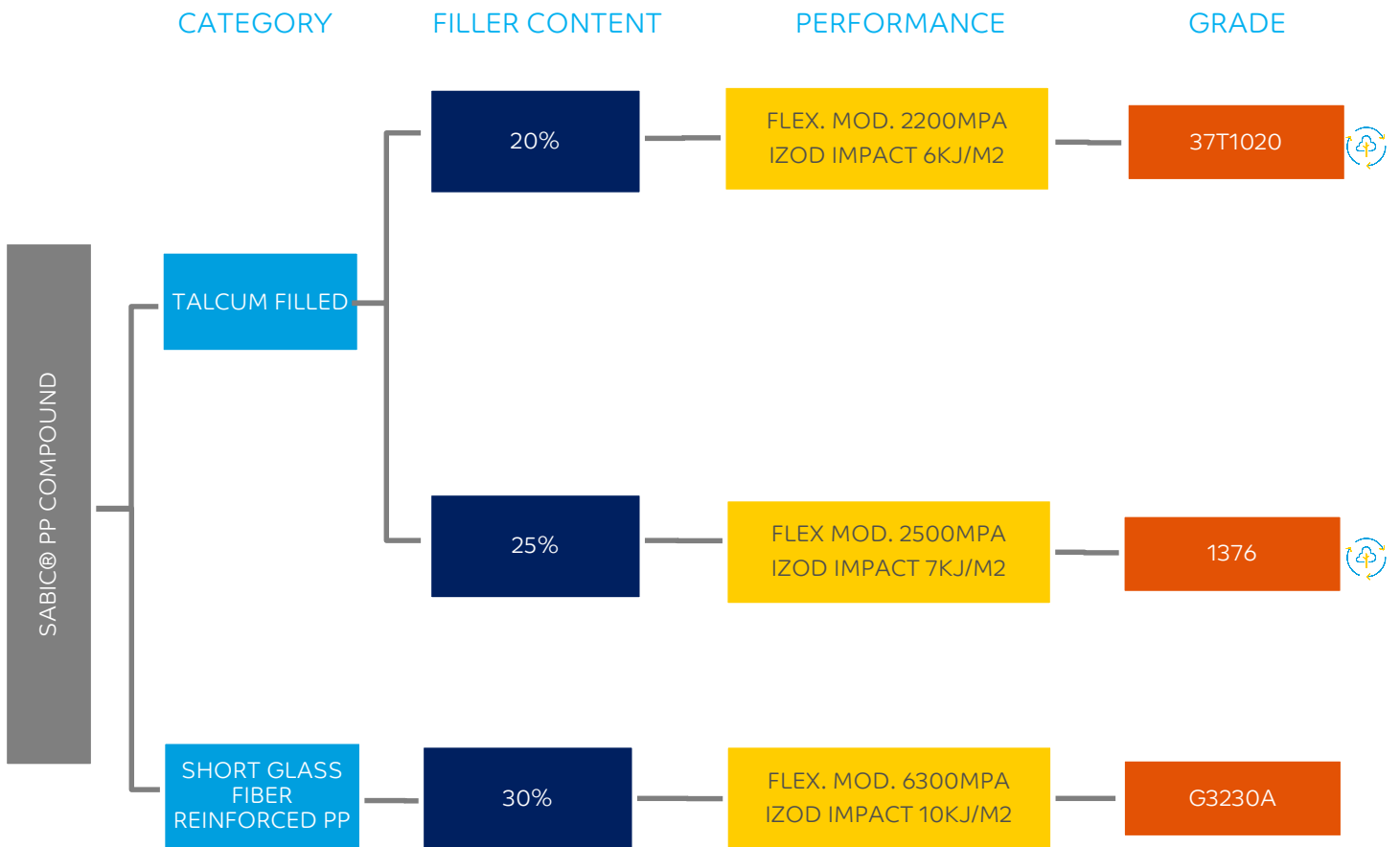
*Please check the availability in APAC and in Europe with your sales manager

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

HIGH PRESSURE WATER JET CLEANER








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Certified renewable PP made with bio-feedstock

VACUUM CLEANERS

CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE
SABIC® PP COMPOUNDS TALCUM FILLED	0% TALCUM	TENSILE MOD 1550MPa IZOD IMPACT 11KJ/M2	58MNK10/CX02-81 
	10% TALCUM	FLEX. MOD. 2100MPa IZOD IMPACT 5KJ/M2	1301U 
	20% TALCUM	FLEX. MOD. 2200MPa IZOD IMPACT 6KJ/M2	37T1020 
		FLEX. MOD. 2300MPa IZOD IMPACT 6KJ/M2	3237U 
	25% TALCUM	FLEX. MOD. 2500MPa IZOD IMPACT 7KJ/M2	1376 

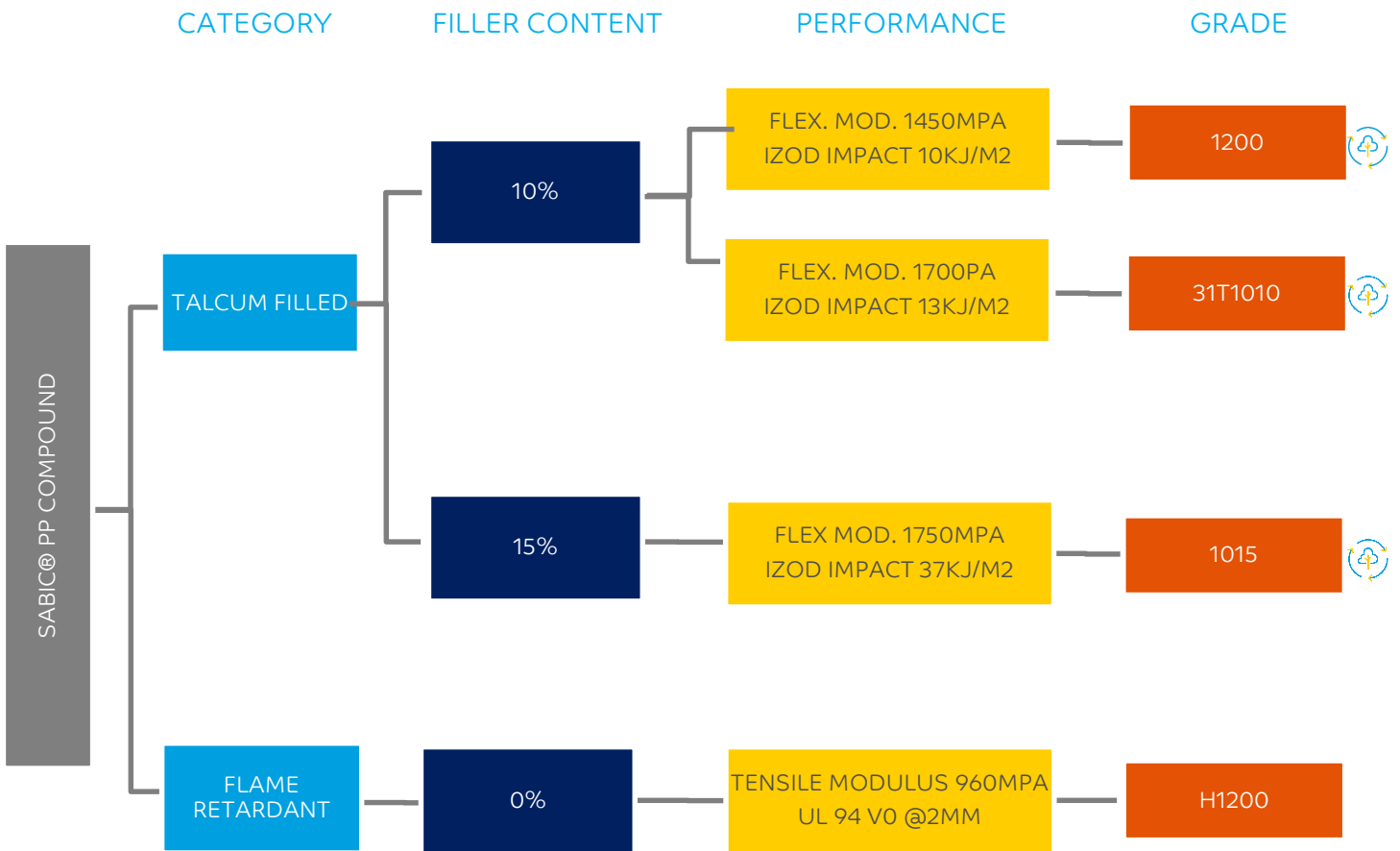


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Certified renewable PP made with bio-feedstock

TRANSPORT CONTAINERS

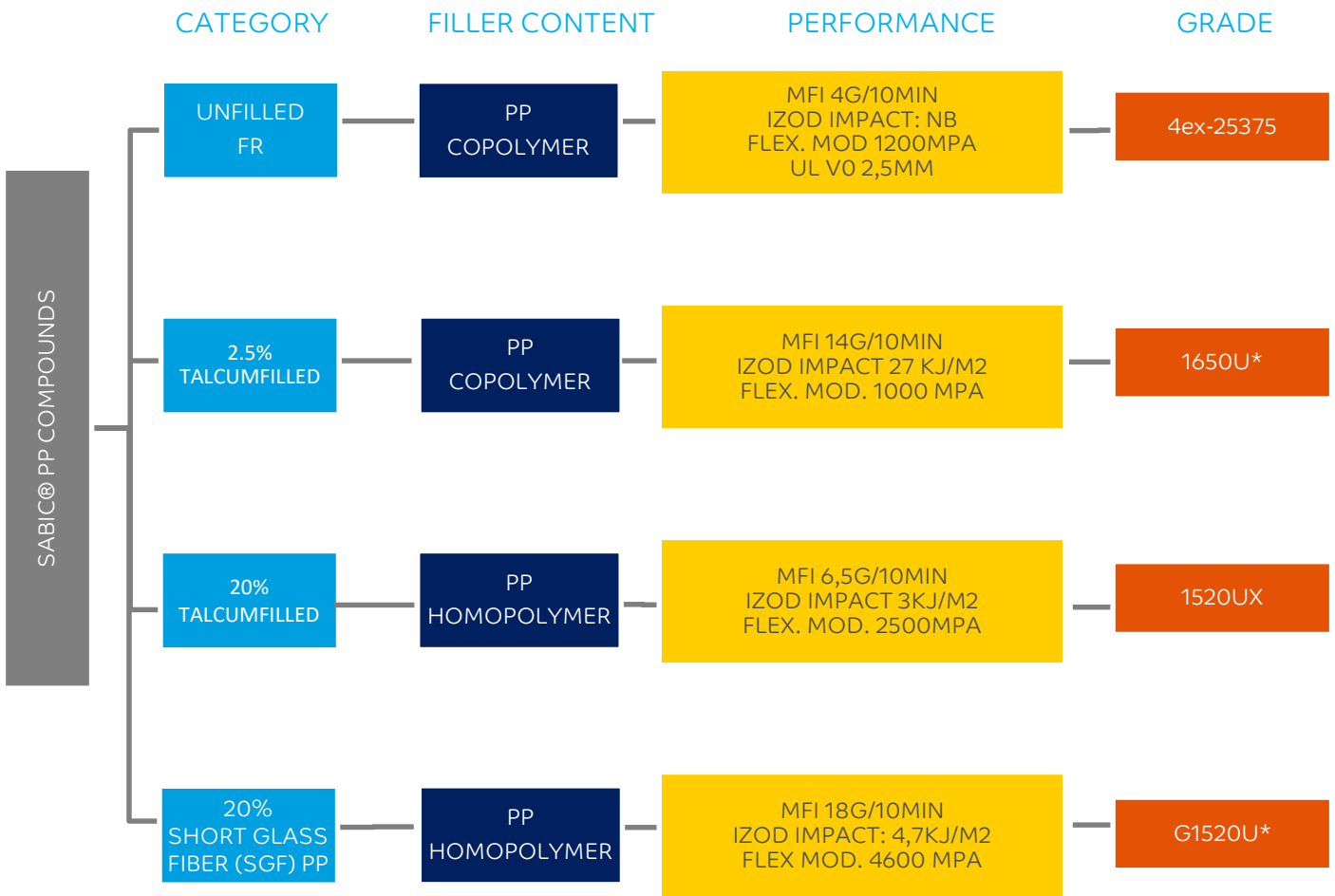


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Certified renewable PP made with bio-feedstock

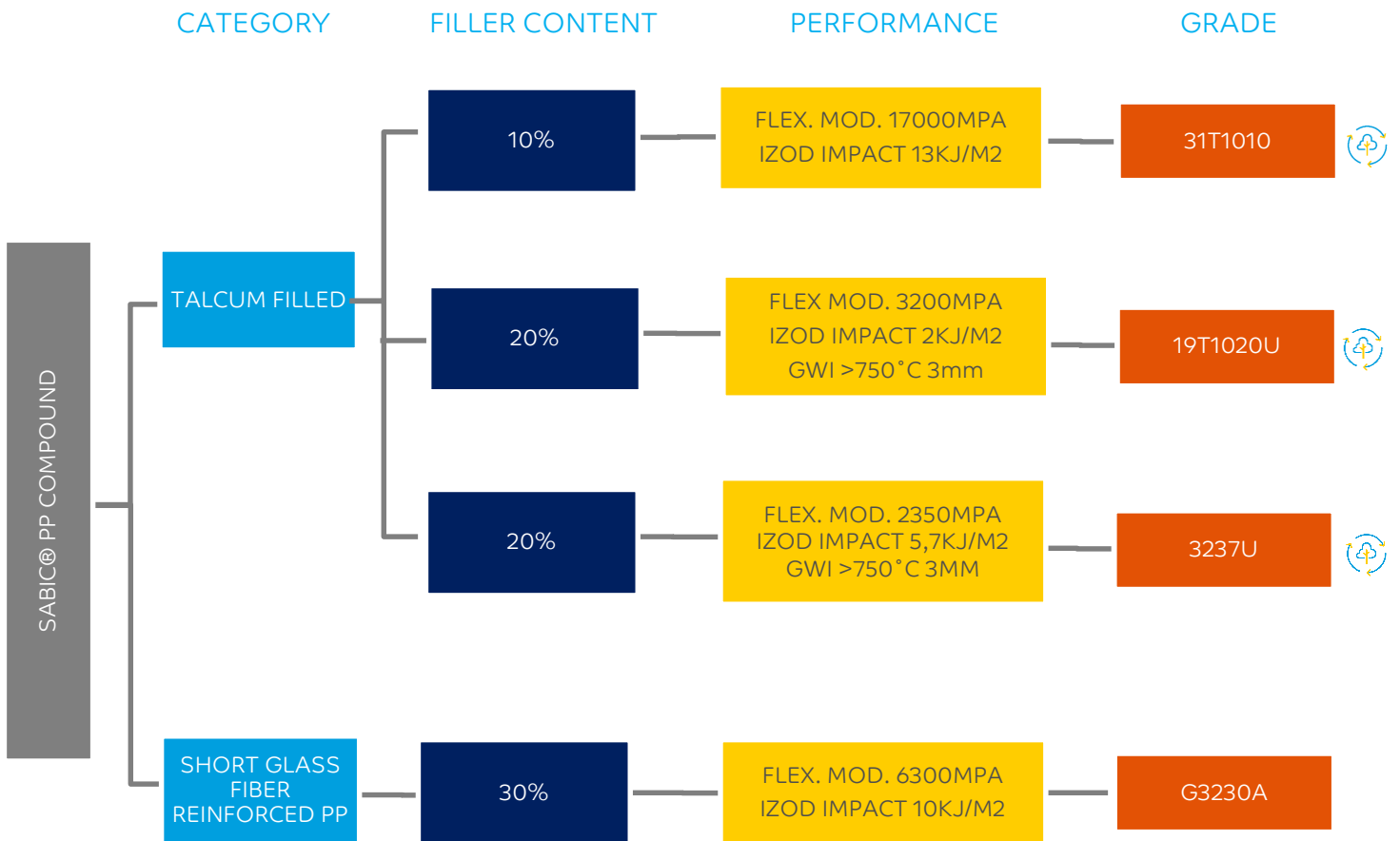
FLOATING PV PANELS



*FDA approved



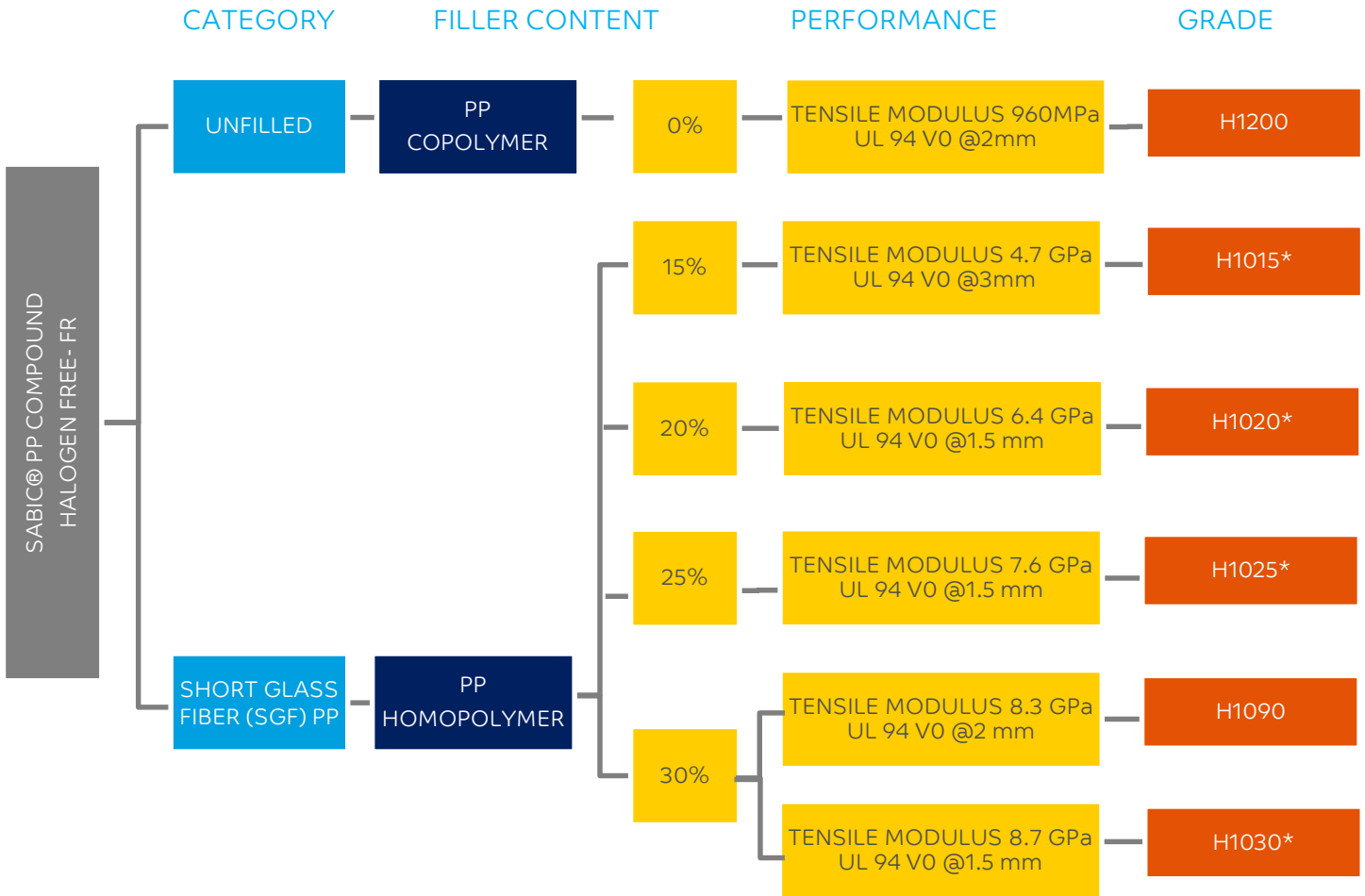
E&E



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Certified renewable PP made with bio-feedstock







*Grades are available in Natural, black and RAL 7035

REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

EV BATTERY

CATEGORY	FILLER CONTENT	PERFORMANCE	GRADE
STAMAX™ RESIN (LGF REINFORCED) FLAME RETARDANT PP COPOLYMER	20%	TENSILE MODULUS 6,0 GPa UL 94 V0 @1mm	20YH510 
	30%	TENSILE MODULUS 7,2 GPa UL 94 V0@3mm	30YH530 
	30%	TENSILE MODULUS 7,6GPa UL 94 V0 @1,5mm	30YH570 
	30%	TENSILE MODULUS 8,1 GPa UL 94 V0 @1,5mm	30YH611 



REFERENCE TO AVAILABILITY FROM TRUCIRCLE™ PORTFOLIO



Certified renewable PP made with bio-feedstock

OUR CERTIFICATIONS

SABIC's site in Genk, Belgium, is the industry-first to receive International Sustainability & Carbon Certification (ISCC) Plus accreditation for large-scale production of polypropylene (PP) compounds and STAMAX™ resins based on renewable and circular sources.



ISCC Plus certification of Genk plant by TÜV Nord underscores SABIC's commitment to building a more circular plastics industry. The ISCC Plus certification honors the implementation of a mass balance accounting system that traces the material flow across complex supply chains from the feedstock to final products. The approach allows OEMs to document and quantify the sustainability of their applications made from certified materials. Moreover, brand owners can use the certification to highlight the sustainable material content of their products, offering consumers a more responsible choice. The mass balance accounting follows predefined and transparent rules, which then define whether a product can be classified as renewable or circular. For SABIC, this means that for each ton of renewable or circular feedstock fed into the production process to substitute fossil-based feedstock, approximately one ton of the output material can be classified as either renewable or circular.

In addition, SABIC has performed a life cycle analysis (LCA) comparing the renewable and the traditional fossil-based routes according to PAS 2050

methodology for biogenic carbon accounting. The results show significant Global Warming Potential (GWP) reductions, with near CO₂ neutrality achieved at a renewable content of 40 percent. On cradle-to-gate and cradle-to-gate plus end-of-life levels, each kilogram of SABIC® PP compound based on certified renewable feedstock can reduce fossil depletion by up to 40 percent and lessen the carbon footprint of applications by up to 95 percent.

ISO CERTIFICATIONS

SABIC EHSS Corporate achieved recertification in Responsible Care® 14001:2015 (Including ISO 14001).

SABIC polymers are manufactured at ISO9001 and ISO14001 certified production facilities. Our polymer grades that are in compliance with food and pharma safety standards are manufactured in assets that meet good manufacturing practice (GMP) standard requirements.

Our manufacturing sites that are mainly producing materials for automotive industry are certified with IATF 16949 standard. (International Automotive Task Force). The IATF 16949 standard has been developed by the automotive industry and comprises of ISO9001 and additional automotive specific requirements for the automotive supply chain.

All SABIC® PP, SABIC® PP Compounds and STAMAX™ resins are developed by using a stage gate process that is based on risk identification and mitigation approach, meeting the ISO9001 and IATF16949 standard for both automotive and non-automotive market demands. Highly qualified internal and accredited external laboratories are used during the development, prototyping and testing stages of our product development process ensuring robust product design that meets customer requirements.



SABIC IS IN THE **TOP 1% OF COMPANIES** in category basic chemicals, fertilizers, plastics & rubber assessed by Ecovadis*



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