

Press Release -for immediate release-

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Teknor Apex Announces NEW Sarlink® TPVs with up to 40% recycled content - another portfolio advancement in their sustainability journey

The Sarlink® RX 3100B Series of multi-purpose TPVs contain high-quality Post-Industrial Recycled (PIR) content ensuring excellent processability and performance.

(Teknor Apex, Pawtucket, RI USA, May, 2024) ... Sarlink® thermoplastic vulcanizates (TPVs) are the premier choice for automotive applications requiring superior elasticity and long-term performance, as a recyclable, light-weight alternative to EPDM rubber. This latest series, Sarlink® RX 3100B, was developed to help automotive brands achieve sustainability targets, by incorporating up to 40% post-industrial recyclate, depending on the hardness. These multi-purpose TPVs are suitable for injection molding, extrusion, overmolding and co-extrusion with polypropylene or other thermoplastic elastomers (TPEs). For these high-durometer grades, applications include the backbone or carrier for extruded seals, like in glass run channels, or boots, bellows, and other under hood components.

The two grades, an 84 Shore A and 94 Shore A, are based on the existing Sarlink® 3100 Series technology, but contain 25% and 40% recycled content, respectively. The materials process and perform similarly to their virgin counterparts yet offer sustainability benefits such as reduced dependency on virgin petroleum-based plastic—ideal for OEMs looking to reach aggressive targets around the use of sustainable material content in vehicles. Sarlink RX 3100B TPVs are pre-colored black and can still be recycled in process or at the end of the product’s life cycle.

The use of PIR content versus Post-Consumer Recycled (PCR) content derived from household waste, provides for a more controlled and consistent raw material stream that can be used in extrusion-grade TPVs without issue. Teknor Apex treats recycled feedstocks like prime raw materials, and they are subject to the same quality assurance testing and must meet relevant specifications for use.

“At Teknor Apex, we recognize our responsibility as part of the value chain, to manufacture our products as sustainably as possible, while continuing to deliver more sustainable material solutions to the market. We collaborate closely with major brands to understand their sustainability goals and deliver relevant solutions,” said Scott Nakon, Global Automotive Market Manager. “Our ongoing projects include new sustainable raw materials streams such as recycled and bio-based content, as

well as carbon negative additives. Also, we plan to introduce new thermoplastic elastomers with up to 65% post-consumer recycled content later this year, as well as expand the Recyclon® portfolio of recycled polyamide solutions.”

More information and samples of this new series as well as other Teknor Apex solutions can be seen at the upcoming Fakuma trade fair in Hall 2 Booth 2114.

Sarlink® TPVs are manufactured according to the standards of ISO-9001 in the USA, Singapore, and Belgium with strict formulation control and traceability. For more information, please contact us at tpe@teknorapex.com

GRAPH CAPTION: The “R” prefix denotes recycled content.

TYPICAL PROPERTIES	TEST STANDARD	UNITS S.I.	SARLINK® R2 3180B 25% Recycled Content	SARLINK® R4 3190B 40% Recycled Content
PIR CONTENT	---	%	Minimum 25%	Minimum 40%
COLOR	---	---	Black	Black
DENSITY	ISO 1183	kg / m ³	0.93	0.94
HARDNESS (5 SEC DELAY) Injection molded sample	ISO 868	Shore A	84	94
TENSILE PROPERTIES <i>Cross flow direction</i> Tensile strength at break Modulus at 100% elongation Elongation at break	ISO 37	MPa MPa %	7.6 3.8 700	11.6 6.5 630
TEAR STRENGTH <i>Cross flow direction</i> Unnicked angle	ISO 34B	kN/m	41	53
COMPRESSION SET 22 hrs @ 23°C	ISO 815	%	29	33
APPARENT SHEAR VISCOSITY @ 206 1/s, 200°C	ISO 11443 Capillary	Pa.s	250	229

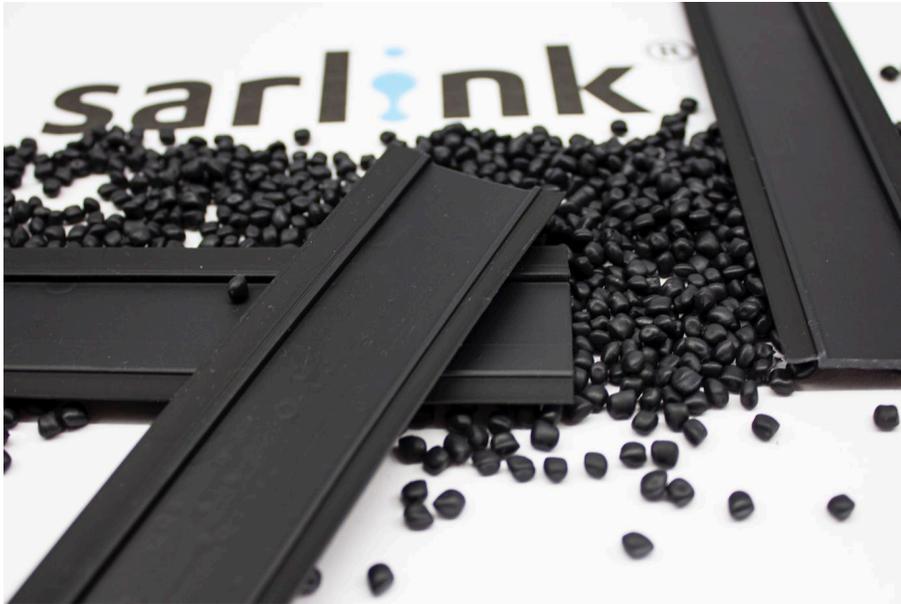


Photo Caption: The NEW Sarlink® RX 3100B Series TPV with 40% recycled content is a multi-purpose TPV containing high-quality Post-Industrial Recycled (PIR) content and processes and performs like its virgin counterpart.

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About Teknor Apex. Teknor Apex Company, a privately held firm founded in 1924, is one of the world's leading custom compounders of plastics. Teknor Apex produces flexible and rigid vinyl, thermoplastic elastomers, nylons, color masterbatches, specialty chemicals, and hoses. The company is headquartered in Pawtucket, RI, U.S.A. and operates thirteen manufacturing facilities worldwide in the United States, Belgium, Germany, China, and Singapore.

Teknor Apex Company offers the broadest portfolio of thermoplastic elastomers (TPEs) available from a single source. The company compounds TPEs at eight locations in the U.S., Europe, and Asia under the brands: Elexar® (electrical and electronics applications), Medalist® (medical devices), Monprene® (consumer and industrial products), and Sarlink® (transportation). To learn more visit: www.teknorapex.com.

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