

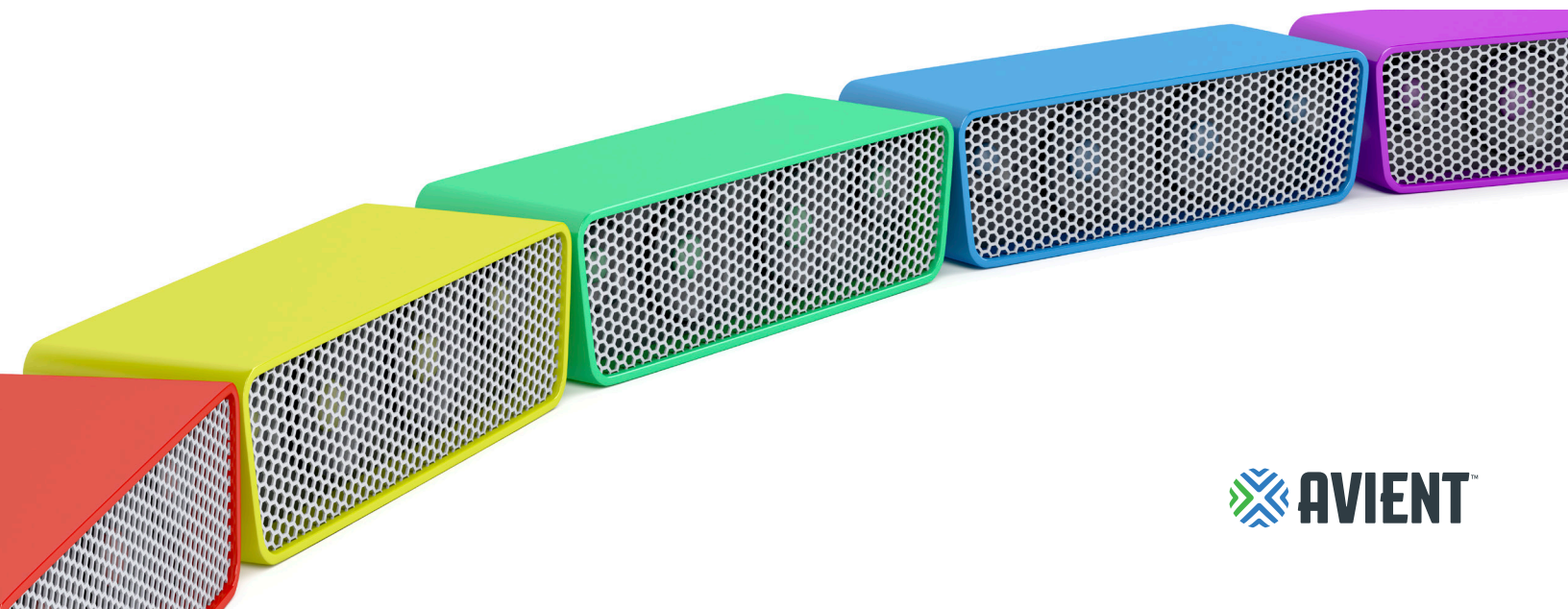
Versaflex™ TPE
PORTABLE SPEAKER SOLUTIONS

WATER AND DUST PROTECTION, DURABLE LOOK AND FEEL



Looking for effective ways to waterproof and dust proof your enclosures while boosting durability and aesthetic appeal? Versaflex™ TPE materials offer great compression set properties for gaskets that need a long lasting seal, and also create durable speaker skins with a silky feel. These TPEs meet industry ingress protection (IP) standards, are overmoldable directly onto common speaker housing substrates, and deliver more design freedom than you've ever thought possible.

	Versaflex™ CE 3120-40	Versaflex™ CE 3620	Versaflex™ CE 3115	Versaflex™ CE 3120-80
Application	Gaskets	Skins	Skins	Skins
Product Aesthetics	Tacky Translucent 42A	Silky feel Natural 65A	Silky feel Natural 65A	Silky feel Natural 80A
Special Characteristics	Low compression set	Low compression set High flow	Abrasion resistance High strength	Improved scratch/ mar, UV and abrasion
Overmolding	Polycarbonate ABS Copolyester	Polycarbonate ABS Copolyester	Polycarbonate ABS Copolyester	Polycarbonate ABS Copolyester





Today's portable speaker manufacturers are searching for materials they can count on to protect against water and dust, but they also need durability and expanded design possibilities. Versaflex TPEs safely deliver on all of these requirements, while also accelerating production speed and reducing manufacturing cost.

HOW VERSAFLEX TPEs MAKE THE DIFFERENCE IN PORTABLE SPEAKERS APPLICATIONS

GASKETS

Water and Dust Protection

- Tight housing seals with no leakage over time

Reduced Manufacturing Costs

- Eliminates sourcing and assembly steps required of O-rings by overmolding directly onto the substrate; strong adhesion to PC & ABS
- Faster cycle times than silicone or TPU

Design Freedom

- Injection molding TPEs in gaskets enables complex designs in which simple O-rings would be challenging to assemble

SPEAKER SKINS

Durable Look and Feel

- Silky feel soft touch
- Long lasting aesthetics with abrasion and UV resistance

Reduced Manufacturing Costs

- Eliminates sourcing and assembly steps required of silicone skins by overmolding directly onto the substrate; strong adhesion to PC & ABS
- Faster cycle times than silicone or TPU

Design Freedom

- Overmolding TPE removes the need for mechanical interlocks and primers to get silicone materials to adhere to substrates

To learn more about Versaflex TPEs for portable speakers, contact Avient at +1.844.4AVIENT.

www.avient.com



Copyright © 2020, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.