

VECTOR 4215A

Styrene-Isoprene-Styrene/ Styrene-Isoprene (SIS/SI) Block Copolymer

- Blend of SIS triblock and SI diblock copolymer.
- Medium styrene copolymer.
- Outstanding thermal stability.
- Outstanding melt processability.
- VECTOR styrenic block copolymers find use under certain FDA regulations as articles or as ingredients in articles intended for food contact or medical applications. Please contact your Dexco Polymers agent for a detailed letter of certification or further information.

VECTOR 4215A blend of SIS triblock and SI diblock copolymer is produced via anionic polymerization technology from Dexco Polymers LP, a Dow/ ExxonMobil Venture.

VECTOR 4215A is a blend of SIS triblock and SI diblock copolymer with a styrene content of (30%). Its higher styrene content leads to higher modulus, higher temperature end-use, and enhanced creep resistance. It is designed for use in hot melt adhesive applications such as disposable adhesives requiring superior cohesive strength and heat resistance along with low creep compliance.

Properties	Test Method	Unit	Typical Value
<i>Resin Properties</i>			
Styrene	Dexco Method	Wt. %	30
Diblock Content	Dexco Method	Wt. %	18
MFR ⁽¹⁾	ASTM D 1238	g/ 10 min	9
Ash	ASTM D 1416	Wt. %	0.3
<i>Physical Properties</i>			
Tensile Strength ⁽²⁾	ASTM D 412	PSI	2600
300% Modulus ⁽²⁾	ASTM D 412	PSI	500
Elongation ⁽²⁾	ASTM D 412	%	1000
Hardness ⁽³⁾	ASTM D 2240	Shore A	58
Specific Gravity	ASTM D 792	g/cc	0.94
<i>Product Form</i>			Dense Pellet

- (1) Condition (200°C/ 5 kg).
- (2) Typical values on compression molded plaques, intended only as guides, and should not be construed as specifications.
- (3) 1 sec. dwell.



PRODUCT STEWARDSHIP:

Dexco Polymers LP has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our Product Stewardship philosophy by which we assess the safety, health and environmental information on our products and then take appropriate steps to protect employee and public health, and our environment. The success of our Product Stewardship program rests with each and every individual involved with Dexco products – from the initial concept and research, to manufacture, use, sale, and disposal of each product.

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Dexco Polymers LP strongly encourages its customers to review both their manufacturing processes and their applications of Dexco products from the standpoint of human health and environmental quality to ensure that Dexco products are not used in ways for which they are not intended or tested. Dexco Polymers personnel are available to answer your questions and to provide reasonable technical support. Dexco product literature, including safety data sheets, should be consulted prior to use of Dexco products. Your Dexco Polymers sales representative can arrange the proper contacts, or write to Dexco Polymers LP, 12012 Wickchester, Suite 280, Houston, Texas 77079 U.S.A.

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Dexco Polymers LP will not knowingly sell or sample any Dexco styrenic block copolymer product(s) into any commercial or developmental application that is intended for: (a) long term contact (>72 continuous hours) with internal body fluids or internal body tissues; (b) use in cardiac prosthetic devices regardless of the length of time involved (including, but not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass assist devices); (c) use as a critical component in medical devices that support or sustain human life; (d) use specifically by pregnant women, or in applications designed to promote or interfere with human reproduction; or (e) use in pharmaceutical applications, other than pharmaceutical packaging.

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