

VECTOR® 4111N

Styrene Isoprene Styrene Block Copolymer

TSRC Corporation

Message:

Linear SIS triblock copolymer.
Contains <1% diblock copolymer.
Low styrene, low modulus.
VECTOR 4111A and VECTOR 4111N styrenic block copolymers are linear triblock copolymers with narrow molecular weight distributions. They are the softest pure triblock copolymers offered and show outstanding melt processability and elasticity, making them well-suited for use in elastomer compounds and polymer modification applications. The pure triblock also makes them well-suited for use in high shear, pressure sensitive adhesive applications.
VECTOR 4111A SIS is offered as a dense pellet supplied from the United States.
VECTOR 4111N SIS is offered as a porous pellet supplied from China.

General Information			
Features	Good Processability		
	Narrow Molecular Weight Distribution		
	Soft		
Uses	Adhesives		
	Plastics Modification		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Apparent Density	0.33	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	12	g/10 min	ASTM D1238
Bound Styrene	18.0	%	
Ash Content	0.4	wt%	
Solution Viscosity - in 25 wt% Toluene (25°C)	850	mPa · s	
Diblock Content	< 1.0	wt%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec, Compression Molded)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (300% Strain)	1.50	MPa	Internal Method
Tensile Strength ² (Break)	31.0	MPa	Internal Method
Tensile Elongation ³ (Break)	1200	%	Internal Method
NOTE			
1.	Compression Molded		
2.	Compression Molded		
3.	Compression Molded		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

