

## SIS1140

### Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1140 is a styrene-isoprene-styrene mixture of triblock copolymer and diblock copolymer produced via proprietary sequential anionic polymerization, linear structure, contains of diblock ratio about 43%. Form is porous particle with outstanding thermal stability and melt process ability, is easier to be processed and mixed than SBS, mainly used in hot melt pressure sensitive adhesive for label and tape, sealant, polymer modifiers.

Typical Value

<i>Polymer performance</i>	<b>Test method</b>	<b>Unit</b>	<b>Typical Value<sup>[1]</sup></b>
Styrene Content		wt. %	15
Diblock Ratio		wt. %	43
Melting Flow Rate <sup>[2]</sup>	GB/T 3682-2000	g/10min	25
Solution Viscosity <sup>[3]</sup>		mPa·s	800
Volatiles	GB/T 24131-2009	wt. %	0.50
Ash	GB/T 4498-2013	wt. %	0.10
<i>Physical performance</i>			
Tensile Strength	GB/T 528-2009	MPa	10
Elongation at Break	GB/T 528-2009	%	1100
Permanent Tensile Set Value	GB/T 528-2009	%	16
Hardness	GB/T 531-2008	ShoreA	25

Note::

[1] Typical value should not be considered as final product specifications

[2] Test condition: 200°C/5 kg

[3] 25°C , 25 Wt.% toluene solution

◆ Package: 20±0.15 KG/bag or customer requirement

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