

SIS1100

Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1100 is a styrene-isoprene-styrene triblock copolymer produced via proprietary sequential anionic polymerization, linear structure, contains of diblock ratio <1%. Form is porous particle with outstanding thermal stability and melt process ability, is easier to be processed and mixed than SBS, with small solution viscosity, mainly used in hot melt pressure sensitive adhesive for label and tape, with moderate melt viscosity.

Typical Value

<i>Polymer performance</i>	Test method	Unit	Typical Value ^[1]
Styrene Content		wt. %	16
Diblock Ratio		wt. %	<1
Melting Flow Rate ^[2]	GB/T 3682-2000	g/10min	10
Solution Viscosity ^[3]		mPa·s	1000
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	18
Elongation at Break	GB/T 528-2009	%	1000
Permanent Tensile Set Value	GB/T 528-2009	%	12
Hardness	GB/T 531-2008	ShoreA	37

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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