

SIS1220

Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1220 is a styrene-isoprene-styrene mixture of triblock copolymer and diblock copolymer produced via proprietary sequential anionic polymerization, linear structure. Form of the products is porous particle with outstanding thermal stability and melt process ability, it is easier to be processed and mixed than SBS, with small solution viscosity, mainly used in hot melt pressure sensitive adhesive for label, tape and medical consumables with high temperature resistance and moderate melt viscosity.

Typical Value

<i>Polymer performance</i>	Test method	Unit	Typical Value^[1]
Styrene Content		wt. %	25
Diblock Ratio		wt. %	25
Melting Flow Rate ^[2]	GB/T 3682-2000	g/10min	25
Solution Viscosity ^[3]		mPa·s	260
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	14
Elongation at Break	GB/T 528-2009	%	1050
Permanent Tensile Set Value	GB/T 528-2009	%	28
Hardness	GB/T 531-2008	ShoreA	50

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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