

SIS1120

Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1120 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 15%. 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, sealant, asphalt and polymer modifiers.

Typical Value

<i>Polymer performance</i>	Test method	Unit	Typical Value^[1]
Styrene Content		wt. %	15
Diblock Ratio		wt. %	25
Melting Flow Rate ^[2]	GB/T 3682-2000	g/10min	11
Solution Viscosity ^[3]		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	16
Elongation at Break	GB/T 528-2009	%	1050
Permanent Tensile Set Value	GB/T 528-2009	%	20
Hardness	GB/T 531-2008	ShoreA	33

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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