

SIS1170

Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1170 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 66%. 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. It is with moderate original adhesion and mainly used in sealing compound of express.

Typical Value

<i>Polymer performance</i>	Test method	Unit	Typical Value ^[1]
Styrene Content		wt. %	17
Diblock Ratio		wt. %	66
Melting Flow Rate ^[2]	GB/T 3682-2000	g/10min	6
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	3
Elongation at Break	GB/T 528-2009	%	1300
Permanent Tensile Set Value	GB/T 528-2009	%	60
Hardness	GB/T 531-2008	ShoreA	20

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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