

SIS1180

Styrene-Isoprene-Styrene (SIS) block copolymer

SIS-1180 is a styrene-like thermoplastic elastomer prepared by anionic polymerization. The product form is porous particles, with excellent thermal stability and melting processing ability, which is easier to process and mix than SBS, with small solution viscosity. Mainly used in hot melt pressure-sensitive adhesive, labels, adhesive tape, medical treatment, health materials and other industries

Typical Value

<i>Polymer performance</i>	Test method	Unit	Typical Value^[1]
Styrene Content		wt. %	15
Diblock Ratio		wt. %	80
Melting Flow Rate ^[2]	GB/T 3682-2000	g/10min	9
Solution Viscosity ^[3]		mPa·s	1000
Volatiles	GB/T 24131-2009	wt. %	0.60
Ash	GB/T 4498-2013	wt. %	0.10
<i>Physical performance</i>			
Tensile Strength	GB/T 528-2009	MPa	2
Elongation at Break	GB/T 528-2009	%	1300
Permanent Tensile Set Value	GB/T 528-2009	%	50
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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