Grade	Structure	S/B	Tensile Strength MPa	Hardness Shore A	MFR (g/min, 200℃,5kg)	Toluene Solution Viscosity at 25℃ mpa.s
YH-792/792E	Linear	38/62	29	89	1.5	1,050
YH-791/791E	Linear	30/70	15	70	1.5	2,240
YH-791H	Linear	30/70	20	76	0.1	
YH-796/796E	Linear	23/77	10	70	2	4,800
YH-188/188E	Linear	34/66	26	85	6	
YH-815/815E	Star-shaped	40/60	24	89	0.1	
Road modification - 2#	Star-shaped	29/71	15	72	0.05	1,050*
YH-803	Star-shaped	40/60	25	92	0.05	
YH-788	Linear	32/68	18	72	4-8	
YH-4306	Star-shaped	29/71	18	80	4-8	

3. SBS Application

Grade	Main Application
YH-792/792E	Solvent adhesive, hot-melt pressure-sensitive adhesive, plastics modification.
YH-791/791E	Solvent adhesive, plastics modification, asphalt modification.
YH-791H	Asphalt modification, solvent adhesive.
YH-796/796E	Solvent adhesive, hot-melt pressure-sensitive adhesive.
YH-188/188E	Transparent toys, hot-melt pressure-sensitive adhesive, plastics modification.
YH-815/815E	Shoemaking
Road modification -2#	Asphalt modification, solvent adhesive.
YH-803	Waterproof membrane.
YH-788	Transparent toys, shoemaking.
YH-4306	Asphalt modification.

PRODUCT DESCRIPTION ANTPR@SBS

SBS YH-188E

YH-188E is a styrene-butadiene block copolymer in the form of white porous particle or powder, with advantages of elasticity of rubber and workability of plastics, also with good low-temperature resistance, good air permeability and wet skid resistance. It can be widely applied to the materials of shoe sole, plastic modification, adhesives and asphalt modification.

APPLICATION: Transparent toys, hot-melt pressure-sensitive adhesive, plastics modification.

SBS YH-1801E

Sinopec Baling YH-1801E is a styrene-butadiene block copolymer in the form of white porous particle or powder, with advantages of elasticity of rubber and workability of plastics, also with good low-temperature resistance, good air permeability and wet skid resistance. It can be widely applied to the materials of shoe sole, plastic modification, adhesives and asphalt modification.

APPLICATION: Shoe sole, plastic modification, adhesives, asphalt modification.

SBS YH-791H

Sinopec Baling SBS is a styrene-butadiene block copolymer in the form of white porous particle or powder, with advantages of elasticity of rubber and workability of plastics, also with good low-temperature resistance, good air permeability and wet skid resistance. It can be widely applied to the materials of shoe sole, plastic modification, adhesives and asphalt modification.

APPLICATION: Shoe sole, plastic modification, adhesives, asphalt modification.

SBS YH-806E

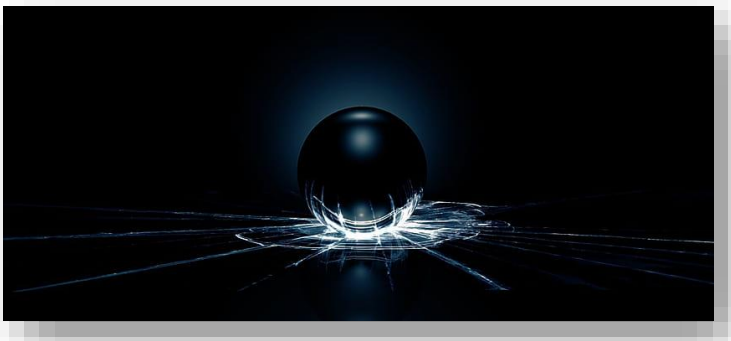
TPE YH-806E is an oil grade styrene-butadiene block copolymer in the form of white porous particle or powder, with advantages of elasticity of rubber and workability of plastics, also with good low-temperature resistance, good air permeability and wet skid resistance.

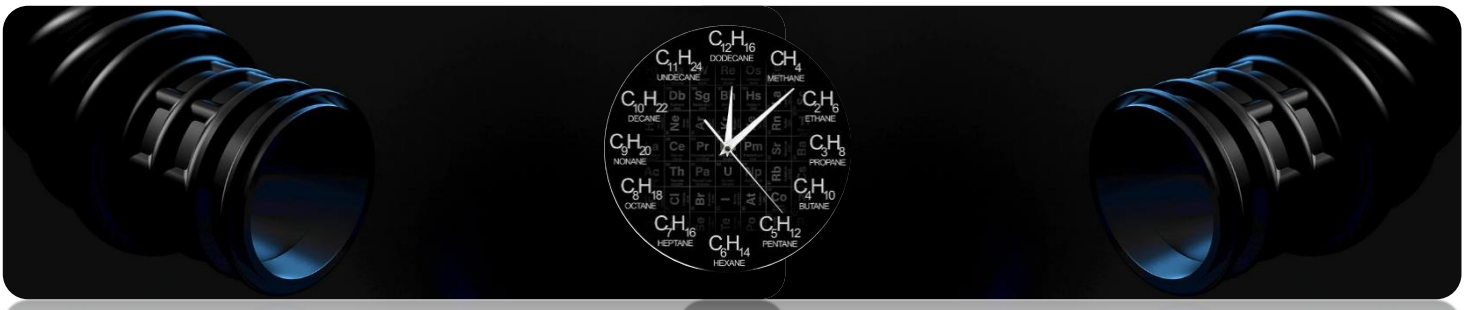
APPLICATION: Shoe sole, plastic modification, adhesives, asphalt modification.

SBS YH-792E

As a non-oil-extended rubber, thermoplastic elastomer SBS rubber 792 is polystyrene(S)-polybutadiene(B)-polystyrene(S) triblock copolymer with linear molecular structure and medium molecular weight. The styrene content of SBS polymer 792 is 40%. It is a styrene-butadiene block copolymer in the form of white porous particle, with advantages of elasticity of rubber and workability of plastics, also with good low-temperature resistance, good air permeability and wet skid resistance. It can be widely applied to the materials of shoe sole, plastic modification, adhesives and asphalt modification.

APPLICATION: Solvent adhesive, hot-melt pressure-sensitive adhesive, plastics modification.





SPECIFICATION

Grade	791H	Grade	188E	Grade	1801E
Structure	Linear	Structure	Linear	Structure	Radial
Block Content Ratio (S/B) (%)	30/70	Block Content Ratio (S/B) (%)	34/66	Styrene Content (%)	30
Volatile Matter (%)	<=1.0	Volatile Matter (%)	<=0.7	Volatile Matter (%)	<=0.7
Ash Content (%)	<=0.20	300% Stretching Strength (MPa)	>=2.0	Ash Content (%)	<=0.20
300% Stretching Strength （Mpa)	>=2.0	Tensile Strength (MPa)	>=20.0	Tensile Strength (MPa)	>=15
Tensile Strength (MPa)	>=18	Elongation (%)	>=700	Toluene Solution Viscosity @ 25% (mPa·s)	3000~5000
Elongation (%)	>=700	Permanent Set (%)	<=40	Hardness (Shore A)	>=80
Permanent Set (%)	<=40	Hardness (Shore A)	>=80	MFR @ 200°C, 5Kg(g/10min)	0.1~5
Hardness (Shore A)	>=68	MFR @ 200°C, 5Kg (g/10min)	5.0~9.0	Yellow Index	<=6.0
MFR @ 200°C, 5Kg(g/min)	0.01~0.50	Yellow Index	<=6.0	Appearance	Porous Pellets
Yellow Index	<=6.0	Appearance	White porous particle		
Appearance	White porous particle				

SPECIFICATION

Grade	792E	Grade	806E
Structure	Linear	Structure	Radial
Styrene Content (%)	38	Styrene Content (%)	33
Volatile Matter (%)	<=1.0	Volatile Matter (%)	<=1.0
Ash Content (%)	<=0.20	Ash Content (%)	<=0.20
300% Stretching Strength (MPa)	>=3.5	Oil Content (%)	31
Tensile Strength (MPa)	>=24	Tensile Strength (MPa)	>=10.0
Elongation (%)	>=700	Hardness (Shore A)	78+/-5
Permanent Set (%)	<=55	MFR @ 200°C, 5Kg(g/min)	9.0+/-3.0
Hardness (Shore A)	>=85	Yellow Index	<=7.0
MFR @ 200°C, 5Kg(g/10min)	0.1~5.0	Appearance	White porous particle
Toluene Solution Viscosity@ (25℃ & 25%) (mPa·s)	850~1850		
Yellow Index	<=7.0		
Appearance	White porous particle		

Items	SBS1301(YH-791)	SBS2301(YH-792)	SBS4303	SBS4402	SBS4442	SBS4452	SBS4542
structure	line	line	star	star	star	star	star
Styrene /butadiene	30/70	30/70	30/70	45/55	45/55	45/55	55/45
oil，phr	0	0	0	0	40	50	40
volatile matter，wt %	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Ahore Hardness	70～80	70～80	70～80	80～100	80～100	80～100	80～100
Antiager type	non-staining	non-staining	non-staining	non-staining	non-staining	non-staining	non-staining
main application	modified asphalt	modified asphalt,adhesive	modified asphalt	shoes,adhesive	shoes	shoes	shoes