

Thermoplastic Rubber (TPR)

Grades	Bound styrene % wt	Structure	Oil p.h.r.	Diblock % wt	Brookfield viscosity ⁽¹⁾ cP	Melt flow index ⁽²⁾ g/10 min
Styrene-Butadiene (Dry SBS)						
Europrene SOLT 161 B	30	Radial	–	10	20000	< 1
Europrene SOLT 161 C	30	Radial	–	10	7500	< 1
Europrene SOLT 6205	25	Radial	–	10	7700	< 1
Europrene SOLT 6302	30	Linear	–	12	4000	< 1
Europrene SOLT 6306	37	Radial	–	10	22000	< 1
Europrene SOLT 166	30	Linear	–	10	1300	6
Europrene SOLT 6320	31	Linear	–	75	600	11
Europrene SOLT 6414	40	Radial	–	22	400	11
Europrene SOLT 6434	40	Radial	–	45	350	15

Grades	Bound styrene % wt	Structure	Oil p.h.r.	Diblock % wt	Brookfield viscosity ⁽¹⁾ cP	Melt flow index ⁽²⁾ g/10 min
Styrene-Butadiene (Oil Extended SBS)						
Europrene SOLT 172	31	Radial	45	–	–	9
Europrene SOLT 177	50	Radial	40	–	–	15

Grades	Bound styrene % wt	Structure	Oil p.h.r.	Diblock % wt	Brookfield viscosity ⁽¹⁾ cP	Melt flow index ⁽²⁾ g/10 min
Styrene-Isoprene (SIS)						
Europrene SOLT 190	16	Linear	–	25	1000	9
Europrene SOLT 9113	18	Linear	–	8	850	12
Europrene SOLT 9131	15	Linear	–	40	800	10
Europrene SOLT 9133	16	Linear	–	55	600	14
Europrene SOLT 9326	30	Linear	–	15	300	8

Grades	Bound styrene % wt	Structure	Oil p.h.r.	Diblock % wt	Brookfield viscosity ⁽¹⁾ cP	Melt flow index ⁽²⁾ g/10 min
Styrene-Ethylene-Butylene (SEBS)						
Europrene SOLTH 2311	30	Linear	–	–	500	1
Europrene SOLTH 2312	30	Linear	–	–	1600	< 1
Europrene SOLTH 2314	31	Linear	–	–	–	< 1
Europrene SOLTH 2315	32	Linear	–	–	–	< 1

All reported figures are to be intended as typical values. All grades are stabilized with a designed antioxidant package.

In general all clear grades (non oil-extended) are FDA approved.

For more detailed information please contact your Polimeri Europa Sales Representative.

(1) Toluene solution, 25% by weight

(2) ASTM D 1238, P conditions (5 kg, 190°C)

(3) Values obtained on compression moulded specimen, according to ASTM D 2240 test method

(4) PL = dense pellets; G = granules; F = porous pellets; P = powder

(5) ASTM D 1238, G conditions (5 kg, 200°C)

(6) Toluene solution, 20% by weight

Storage conditions: store in vented, dry area at temperatures between 20°C and 30°C; no direct sunlight.

Hardness ⁽³⁾ Shore A	Physical form ⁽⁴⁾	Antioxidant	Main applications
82	G, P		
82	G		Bitumen modification for roofing and road paving
68	G		Bitumen modification for road paving, adhesives and sealants
80	G, P		Bitumen modification for roofing and road paving, compounding
90	G, P		Bitumen modification for roofing
72	PL	TNPP free	Moulded and extruded goods, polymer modification, adhesives
64	PL	TNPP free	Bitumen modification, adhesives, polymer modification
88	PL	TNPP free	Adhesives, compounding, polymer modification
87	PL	TNPP free	Low viscosity, high cohesion hot melt adhesives

Hardness ⁽³⁾ Shore A	Physical form ⁽⁴⁾	Antioxidant	Main applications
48	PL	TNPP free	Footwear, polymer modification and plastic recycling, technical goods
86	PL	TNPP free	Footwear, high hardness sheets and soles

Hardness ⁽³⁾ Shore A	Physical form ⁽⁴⁾	Antioxidant	Main applications
30	PL	TNPP free	General purposes grade for hot melt pressure sensitive adhesives
44	PL	TNPP free	Hot melt pressure sensitive adhesives for packaging tapes
25	PL	TNPP free	Hot melt pressure sensitive adhesives for labels and non woven
20	PL	TNPP free	Hot melt pressure sensitive adhesives for labels
60	PL	TNPP free	High cohesion hot melt adhesives, high colour and viscosity stability

Hardness ⁽³⁾ Shore A	Physical form ⁽⁴⁾	Antioxidant	Main applications
75	F	TNPP free	General purposes grade for hot melt adhesives, sealants and polymer modification
75	F	TNPP free	Compounding, adhesives, polymer modification
70	F	TNPP free	Compounding
68	F, P	TNPP free	Compounding