



HOT POLYMERIZED SBR


[BACK TO PRODUCTS](#)

HOT POLYMERIZED SBR

Lion is the leading provider of crosslinked and non-crosslinked hot polymerized emulsion styrene butadiene rubber (eSBR) polymers for the adhesives and sealant industry.

Our non-crosslinked polymers are recommended for a variety of adhesive and sealant applications. When incorporated in a solvent along with appropriate tackifier, these polymers produce tacky cements for bonding, coating and sealing applications, including tapes and labels.

Our terpolymers partially crosslinked with divinylbenzene produce adhesives and sealants with a non-stringy, buttery consistency. They are particularly useful for caulking compounds, mastics and sprayable adhesives. Adhesives produced with polymers such as 10090C, 1009AF and 4503 provide a clean breakaway when caulked or troweled. When used in expandable sealants, these polymers offer controlled expansion. These polymers produce extruded profiles with excellent dimensions (low die swell).

[PACKAGING INFO](#)
[PRODUCT INFO](#)

BALE, NON-CROSSLINKED GRADES

(*) Typical

MSDS	TDS	GRADES	EMULSIFIER	STABILIZER	COAGULANT	BOUND		TENSILE*	ELONGATION*	MODULUS*	SPECIFIC
						STYRENE (%)	MML CML 1+4 1+4*				
<u>M</u>	<u>I</u>	1006	FA	NS	A	23.5	49 60	3350	380	2400	0.94
<u>M</u>	<u>I</u>	1011AC	RA	NS	A	23.5	54 67	3500	480	2000	0.94
<u>M</u>	<u>I</u>	1011AE	RA	NS	A	23.5	54 62	3050	440	1950	0.94
<u>M</u>	<u>I</u>	1012	FA	NS	A	23.5	120 122	3900	350	3250	0.94
<u>M</u>	<u>I</u>	1013	FA	NS	A	43.5	45 53	3250	340	2900	0.96

BALE, CROSSLINKED GRADES

(*) Typical

MSDS	TDS	GRADES	EMULSIFIER	STABILIZER	COAGULANT	BOUND	MML	CML	TENSILE*	ELONGATION*	MODULUS*	SPECIFIC
						STYRENE	1+4	1+4*				
						(%)						
<u>M</u>	<u>I</u>	1009	FA	NS	A	23.5	37	n/a	2050	310	2000	0.94
<u>M</u>	<u>I</u>	1009AF	FA	NS	A	23.5	48	n/a	1350	210	n/a	0.94

CRUMB, NON-CROSSLINKED GRADES

(*) Typical

MSDS	TDS	GRADES	EMULSIFIER	STABILIZER	COAGULANT	BOUND	MML	CML	TENSILE*	ELONGATION*	MODULUS*	SPECIFIC
						STYRENE	1+4	1+4*				
						(%)						
<u>M</u>	<u>I</u>	1006	FA	NS	A	23.5	49	60	3350	380	2400	0.99
<u>M</u>	<u>I</u>	1012	FA	NS	A	23.5	120	122	3900	340	3250	0.99
<u>M</u>	<u>I</u>	1013	FA	NS	A	43.5	45	53	3250	340	2900	0.99

CRUMB, CROSSLINKED GRADES

(*) Typical

MSDS	TDS	GRADES	EMULSIFIER	STABILIZER	COAGULANT	BOUND	MML	CML	TENSILE*	ELONGATION*	MODULUS*	SPECIFIC
						STYRENE	1+4	1+4*				
						(%)						
<u>M</u>	<u>I</u>	1009	FA	NS	A	23.5	37	n/a	n/a	n/a	n/a	0.99
<u>M</u>	<u>I</u>	1009AF	FA	NS	A	23.5	48	n/a	n/a	n/a	n/a	0.99
<u>M</u>	<u>I</u>	4503	RA	NS	A	30	50	86	n/a	n/a	n/a	0.99