



P.O Box 667
1615 Main Street
Port Neches, Texas 77651
Customer Service 1-800-535-9960

www.lionelastomers.com

POLYMER DATA

1686

DESCRIPTION

POLYMER.....	100 pts.	EMULSIFIER.....	Rosin Acid
OIL.....	RAE. 10 pts.	STABILIZER.....	Staining Antiozonant
CARBON BLACK, N-330.....	52 pts.	COAGULANT.....	Acid
SP. GR., typical.....	1.12		

CHARACTERISTICS

1686 is an SBR CBMB based on 1500 latex and N-330 carbon black. It provides high tensile properties associated with low oil extension and N-330 type carbon black. Bale-dipped.

CHEMICAL PROPERTIES

VOLATILE MATTER, % wt.....	0.75 MAX	SOAP, %wt.....	0.50 MAX.
ASH, % wt.....	0.50 MAX	BOUND STYRENE, % wt.....	22.5 - 24.5
ORGANIC ACID, % wt.....	3.1 - 5.1	CARBON BLACK, % wt.....	30.6 - 33.6

PHYSICAL PROPERTIES

UMS 4+4 (100°C.).....37 – 57

RHEOMETER (MDR 2000)

M _L , lbf·in.....	TBD
dN·m.....	TBD
M _H , lbf·in.....	TBD
dN·m.....	TBD
t _s 1, minutes.....	TBD
t'50, minutes.....	TBD
t'90, minutes.....	TBD

TEST RECIPE (ASTM 3186)

Polymer.....	162.00
Zinc Oxide.....	3.00 IRM 91A
Sulfur.....	1.75 NIST SRM 371
Stearic Acid.....	1.50 NIST SRM 372
TBBS.....	1.25 NIST RM 8384

APPLICATION DATA

1686 is recommended for use in tire treads, high quality mechanical goods and conveyor belts.

3/22/17

Note: Antioxidant is added to this polymer to provide protection during manufacture and storage. The end user's process may require additional antioxidant protection.

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