



PRODUCT SPECIFICATION
 THE GOODYEAR TIRE & RUBBER CO.
 GOODYEAR CHEMICAL AKRON, OH 44306-3299
 USA: 1-800-548-8107

PLF1502

Description: PLF1502 is a cold, 23.5% styrene SBR polymer made with a mixed-acid emulsifier, nonstaining stabilizer and salt acid coagulation. PLF1502 does not contribute to the generation of nitrosamines as a raw polymer or finished product.

PROPERTY	LIMITS	TEST METHOD
Appearance	light tan bale	Visual
Volatiles, %	<= 0.50	ASTM D 5668
Ash, %	<= 1.5	ASTM D 5667
Bound styrene, %	23.5 +/- 1.2	ASTM D 5775
Extractables, %	7.0 +/- 2.0	ASTM D 5774
Mooney, ML-4' @ 100 C	50 +/- 4	ASTM D 1646
Organic Acid, %	5.8 +/- 0.8	ASTM D 5774

VULCANIZATE PROPERTIES

VP Description: Rheometer, 160 C, 1 deg arc, 1.7 Hz, 30 min chart, 50 range, micro die	Typical Values	
ASTM Ref #: 2084	Midpoint	Range
ML, dNm	9.5+/- 2.00	7.5 to 11.5
MH, dNm	49.0+/- 3.00	46 to 52
ts1, minutes	4.5+/- 1.00	3.5 to 5.5
t'c25, minutes	9.6+/- 1.50	8.1 to 11.1
t'c90, minutes	18.0+/- 2.00	16 to 20

STRESS/STRAIN PROPERTIES

SS Description: 35 min @ 145 C Cure	Typical Values	
ASTM Ref #: 412	Midpoint	Range
300% Modulus, MPa, minimum	11.0+/-	to
Tensile, MPa, minimum	21.0+/-	to
Elongation, %, minimum	330+/-	to

This product should be stored in its original packaging in a dry atmosphere away from heat and ultraviolet light.

As a guideline, PLF1502 should be re-tested every 24 months following the date of manufacture.
The most appropriate test would be Mooney.

Goodyear test methods are available upon request.

Check with your Goodyear salesperson to confirm the revision number of the most recent specification.