



PRODUCT SPECIFICATION

THE GOODYEAR TIRE & RUBBER CO.

GOODYEAR CHEMICAL AKRON, OH 44306-3299

USA: 1-800-548-8107

PLF1712C

Description: PLF1712C is a cold, 23.5% styrene SBR polymer made with a mixed-acid emulsifier, staining stabilizer and extended with 37.5 parts highly aromatic oil. PLF1712C does not contribute to the generation of nitrosamines as a raw polymer or finished product.

PROPERTY	LIMITS	TEST METHOD
Appearance	dark brown bale	Visual
Volatile matter, %	<= 0.50	ASTM D 5668
Ash, %	<= 1.5	ASTM D 5667
Bound Styrene, %	23.5 +/- 1.2	ASTM D 5775
Oil, %	27.3 +/- 1.5	ASTM D 5774
Organic Acid, %	4.7 +/- 0.8	ASTM D 5774
Mooney, ML4' @ 100C	46 +/- 4	ASTM D 1646

VULCANIZATE PROPERTIES

VP Description: VP Description: rheometer, 160 C, 1 deg arc, 1.7 Hz, 30 min clock, 50 range, micro die	Typical Values	
ASTM Ref #: 2084	Midpoint	Range
ML, dNm	7.80+/- 2.00	5.8 to 9.8
MH, dNm	32.9+/- 3.00	29.9 to 35.9
ts1, minutes	5.8+/- 1.00	4.8 to 6.8
t'c 25, minutes	9.50+/- 1.50	8 to 11
t'c50 minutes	10.80+/- 1.50	9.3 to 12.3
t'c90, minutes	15.5+/- 2.00	13.5 to 17.5

STRESS/STRAIN PROPERTIES

SS Description: 35 min at 145C cure	Typical Values	
ASTM Ref #: 412	Midpoint	Range
300% Modulus, MPa, minimum	7.50+/-	to
Tensile, MPa, minimum	19.00+/-	to
Elongation, %, minimum	440+/-	to

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

As a guideline, PLF1712C 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.