



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, UML4 (1+4) @ 100 C	40 +/- 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	+/-	to
MH, dNm	+/-	to
ts1, minutes	+/-	to
t'c 25, minutes	+/-	to
t'c50 minutes	+/-	to
t'c90, minutes	+/-	to

STRESS/STRAIN PROPERTIES

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