



PRODUCT SPECIFICATION

THE GOODYEAR TIRE & RUBBER CO.

GOODYEAR CHEMICAL AKRON, OH 44306-3299

USA: 1-800-548-8107

PLF1721

Description: PLF1721 is a cold, 40% styrene, SBR polymer made with a low soap process and extended with 37.5 parts aromatic oil. PLF1721 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, %	<= 0.75	ASTM D 5668
Ash, %	<= 1.5	ASTM D 5667
Oil analysis, %	27.3 +/- 2.0	ASTM D 5774
Bound styrene, % of RHC	40.0 +/- 2.0	ASTM D 5775
Organic Acid, %	4.7 +/- 0.8	ASTM D 5774
Mooney, ML-4'@100 C	48 +/- 6	ASTM D 1646

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	6.80+/-	to
MH, dNm	31.20+/-	to
ts1, minutes	6.20+/-	to
t'c25, minutes	10.00+/-	to
t'c50, minutes	11.40+/-	to
t'c90, minutes	17.50+/-	to

STRESS/STRAIN PROPERTIES

SS Description: 35 min at 145 C cure

Typical Values

ASTM Ref #: 412	Midpoint	Range
300% Modulus, MPa, minimum	8.60+/-	to
Tensile, MPa, minimum	18.50+/-	to
Elongation, %, minimum	400+/-	to

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

As a guideline, PLF1721 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.