



**PRODUCT SPECIFICATION
POLYISOPRENE RUBBER SKI-3**

DATE: 18 DEC. 97

PRODUCT SPECIFICATION

- SUBSTITUTES NATURAL RUBBER.
- CAN BE USED INDEPENDENTLY OR IN COMBINATION WITH OTHER RUBBERS FOR PRODUCTION OF TIRES, RUBBER FOOTWEAR, RUBBER ARTICLES FOR TECHNICAL APPLICATIONS.
- RUBBER IS A POLYMER COMPOSITION; IT CONSISTS OF CIS 1,4-POLYISOPRENE (WITH MINIMUM CIS CONTENT OF 97%) STABILIZED BY NON-TOXIC ANTIOXIDANT.
- LOW GEL (ALMOST ZERO) CONTENT. CAN BE USED IN RUBBER THREAD MANUFACTURE.

TECHNICAL CHARACTERISTICS

MOONEY VISCOSITY (ML 1+4 /100°C):

GROUP II 65 - 74
GROUP I 74 - 81

PLASTICITY 0.36 - 0.41

PLASTICITY SPREAD IN A LOT, MAX. 0.05

ELASTIC RESTITUTION AFTER PLASTICITY DETERMINATION, MM/ MAX. 1.7

TENSILE STRENGTH, MPA (KGF/CM²) MIN.:

AT 23°C 30.4 (310)
AT 100°C 21.6 (220)

ULTIMATE ELONGATION, % MIN. 800

ASH CONTENT, % MAX. 0.5

COPPER CONTENT, % MAX. 0.0001

IRON CONTENT, % MAX. 0.004

TITANIUM CONTENT, % MAX. 0.06

WEIGHT LOSSES AT 105°C, % MAX. 0.6

STEARIC ACID CONTENT, % MAX. 0.6 - 1.4

ANTI-OXIDANT CONTENT, % MAXIMUM:

IN CASE OF DFFD 0.2 - 0.3
IN CASE OF VTC-60 0.4 - 0.7
IN CASE OF C-789 0.2 - 0.4

GEL CONTENT $75 \times 10^{-9} = 75$ MICRONS

REVISED: 18-MAY-99