

LINATEX® LX40R

BASIC SPECIFICATION

Abrasion-corrosion resistant, natural rubber.

FORM

Casing, suction and hub plate liners.

MECHANICAL PROPERTIES

Tensile Strength..... 3850 psi/26.6 MPa
Hardness.....38IRHD/35 Shore A
300% Modulus.....180psi/1.3 MPa
Elongation @ break.....810%
Dunlop Resilience.....83%
Specific Gravity.....0.96
Wet Abrasion Resistance.....108%
Temperature Range (F).....-40 to 158 (-40 to 70C)

MICROSTRUCTURE

LX40R is a latex compound composed of 95% natural rubber. LX40R is produced from fresh natural latex utilizing a unique liquid phase compounding process which causes minimum mechanical disturbance to the molecular structure of the finished rubber.

WEAR RESISTANCE

As shown in Figure 1, LX40R ranks as one of the best materials and is the GIW recommended standard for slurry applications involving non angular fine particles.

This product offers exceptional elasticity with high resilience and elongation with very low modulus.

CORROSION RESISTANCE

LX40R has moderate resistance against corrosive conditions. In general, LX40R has fair to good resistance to acidic and alkaline environments, but relatively low resistance to oils and petrol conditions.

TEST SPECIMENS AND CERTIFICATIONS

GIW and Linatex® manufacturing facilities are both ISO 9001 certified to ensure that quality control and quality assurance procedures are applied.

APPLICATION

With its superior physical properties and wear resistance, LX40R is well suited for the manufacture of pump parts where abrasion or corrosion resistance is required. The product offers exceptional tolerances to cutting and tearing.

STORAGE

Recommended practice is to store away from direct heat and sunlight in accordance with ISO 2230: "Vulcanized Rubber - Guide to Storage".

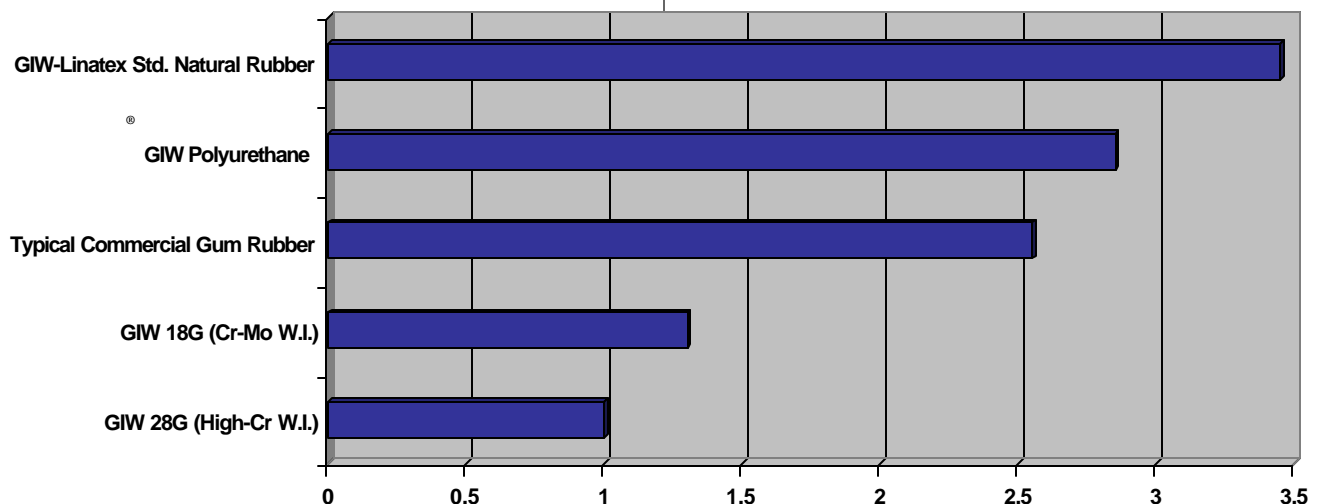


Figure 1, Wear Resistance Comparison Index for fine, non-angular particles: the higher the index number, the better the wear resistance



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