

## Where only the toughest and hardest rubbers survive

The Linard® HD range of products are natural/ synthetic rubber blends specifically designed to exhibit exceptional toughness without compromising natural elasticity. Linard HD products are particularly suited to high impact applications or the handling of coarse aggregates, where cutting and gouging play a major part in the abrasive force.

The Linard HD range includes Linard HD60, Linard HD70 and Linard HDS. Linard HD60 is ideally suited for the aqueous applications involving aggregates, in which sliding abrasion is the major concern.

In applications such as primary screen decks and heavy duty transfer chutes, where cutting and slashing by sharp edged heavy particles is the leading cause of abrasion, Linard HDS and Linard HD70 are the recommended Linatex solutions.

Formulated to withstand severe abrasion in dry or humid applications, the Linard HD range provides superior protection to plant and machinery, guarding against premature failure and unscheduled maintenance.

### Features

- Superior strength and resilience for severe abrasion
- Exceptional resistance to chunking and gouging
- Ideally suited for dry or damp applications where there is heavy impact
- Good noise and vibration dampening properties

### Applications

- Hose: Used in dredge hose or duties where aggressive abrasion and/or large coarse angular particles are a major problem
- Screen decks and underpans for severe applications in the mining extractive industries
- Transfer chutes in which heavy duty impact due to particle size is a major problem
- Protective liners for pneumatic transportation of materials



### Bonding Systems and Installation

Specifically designed two part bonding systems are available from Weir Minerals. Please consult your local representative for advice on the most suitable bonding method.

[www.weirminerals.com](http://www.weirminerals.com)

### Size/Availability

- Sheet size (to 35 mm thickness):  
9.25 m x 1.23 m nominal (approx. 30ft x 4 ft)
  - Sheet size (>35 mm thickness):  
3.05 m x 1.23 m nominal (approx. 10ft x 4ft)
  - Part sheets available to order
  - Standard thickness range:  
3.0 mm to 50 mm (approx. 1/8" to 2.0")
- Moulded components are available and made to order
  - Special sizes and profiles can also be made to order. Metal backing or bolt channels, incorporated to facilitate simple mechanical installation, are also available on moulded components. In the event of localised wear, individual elements can be replaced economically.

### Typical Physical Properties

	TEST STANDARD	LINARD HD60	LINARD HD70	LINARD HDS
Polymer Type		Natural / Synthetic	Natural / Synthetic	Natural / Synthetic
Hardness (IRHD)	ISO 48 – 1994	60	70	70
Modulus @ 500% (MPa)	ISO 37 – 2005	16.0	17.0	10.0
Tensile Strength (MPa)	ISO 37 – 2005	21.4 (3100 psi)	21.4 (3100 psi)	22.8 (3300 psi)
Elongation at Break	ISO 37 – 2005	470%	450%	580%
Tear Strength (N/mm)	ISO 34 – 2004 (Method C)	90 (513 lbf/in)	96 (548 lbf/in)	100 (570 lbf/in)
Specific Gravity	BS 903: Part A1: 1995	1.09	1.14	1.14
Resilience	BS 903: Part A8: 1990	55%	54%	57%
Operating Temperatures (Continuous use)		-40°C to 75°C / -40°F to +167°F	-40°C to 75°C / -40°F to +167°F	-40°C to 75°C / -40°F to +167°F
Colour		Black	Black	Red

### LINATEX® Rubber Products

2701 S Stoughton Road  
Madison W1 53716  
North America

Tel: +1 608 221 2261  
Fax: +1 608 661 8734  
www.weirminerals.com

Excellent  
Minerals  
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