

# ABRASION-RESISTANT POLYURETHANE KS03 DUO

KRYPTANE®



## KS03 DUO 93°/70°/93° SHORE A

A sandwich construction with hardnesses 93-70-93 shore A.

A superscraper, consisting of a rigid blade with soft core, cleaning the belt of coarse products, while the softer core removes the fines.

Available in thicknesses 19 and 25 mm.

### TECHNICAL SPECIFICATIONS KRYPTANE KS03 93°-70°-93° SHORE A

|                               | Unit/testing standard | Mean value |
|-------------------------------|-----------------------|------------|
| <b>Mechanical properties</b>  |                       |            |
| Hardness Shore A (+/-5°)      | °                     | 93-70-93   |
| 100% modulus                  | N/mm <sup>2</sup>     | 5,52       |
| 300% modulus                  | N/mm <sup>2</sup>     | 8,72       |
| 500% modulus                  | N/mm <sup>2</sup>     | 23,53      |
| Tensile strength (break)      | N/mm <sup>2</sup>     | 45,51      |
| Angle tear strength (break)   | N/m                   | 50,84      |
| Trouser tear strength (break) | N/m                   | 28,25      |
| Elongation                    | %                     | 600        |
| Rebound resilience            | %                     | 53         |
| Compression set               | %                     | 32         |
| Abrasion DIN 53516            | mm <sup>3</sup>       | 43         |
| Cured density                 | kg/dm <sup>3</sup>    | 1,21       |
| Coefficient of Friction dry   |                       | 0,27       |
| <b>Temperature resistance</b> |                       |            |
| Max. operating temperature    | °C.                   | 80°        |
| Min. operating temperature    |                       | -30°       |
| Ignition temperature          | °C.                   | 430°       |
| Flame point                   | non                   |            |
| Melt temperature              | °C.                   | 200°       |

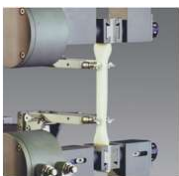
#### Chemical properties

Resistant to oils and fats, many solvents and chemicals, low concentrations of acids and lyes, Ozone and UV resistant

Surface resistivity - Flame retardant - Food grade quality FDA

Surface resistivity - 53482 < 3 x10<sup>8</sup>Ω / Flame retardant ISO 340 - no / Food grade quality FDA - yes

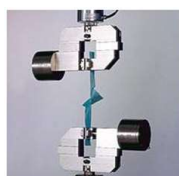
#### Some polyurethane test arrangements



Tensile strength



Angle tear strength



Trouser tear strength



Rebound resilience



Abrasion

#### KS03 - Triple Durometer SuperWiper

Utilizing three chemically bonded layers, the KS03 is designed for use in environments where a harder polyurethane surface is needed. The KS03 has a softer 70A durometer sandwiched between two hard 93A durometer pieces of polyurethane. This provides an extremely tough scraping surface, yet maintains flexibility. This unique design also allows you to turn the wiper around when worn, giving you the longest wear life of any belt scraper on the market.

**Scraper blades max. length 3050 mm. Standard width 100 mm, other widths available.**

- Available in 19 and 25 mm thick PU (PU tolerance +/-1,3 mm)

#### Advantages

- 60% less coefficient of friction than rubber
- Reduces drag on motor horse power used
- Field tested with 8 - 10 times the wear life over quality rubber wipers
- Longer life wipers translate into lower maintenance and labor savings
- No more scraps — scrapers are sold by the inch so you only order what you need
- Nonporous — will not collect fines or other materials that can damage your belt



Not legally binding - subject to change and terms  
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