

Lynx Products Corp

DIRECT DIAL PULLEY ASSISTANCE

PHONE: 941-727-9676

FAX: 941-727-4457

Vulcanized Rubber Characteristics

RATINGS: 1 - Excellent 2 - Very Good 3 - Average 4 - Fair 5 - Not Recommended

| | Durometer | Anti-Stick Release | Abrasion Resistance | COF (grip) | Cut | Heat Buildup | Max. Temp | Min. Temp | Non-Marking | Tear | Tensile |
|--|--------------|--------------------|---------------------|------------|-----|--------------|-----------|-----------|-------------|------|---------|
| SBR | 60 Black | 5 | 3 | 2 | 3 | 4 | 220 | -60 | No | 3 | 3 |
| Water Resistant | 90 Black | 4 | 2 | 3 | 2 | 2 | 275 | -65 | No | 2 | 2 |
| Neoprene* (FG) | 60 White | 5 | 3 | 2 | 3 | 2 | 250 | -65 | Yes | 3 | 3 |
| | 60 Black | 5 | 3 | 2 | 3 | | | | No | 3 | 3 |
| | 80 Black | 4.5 | 2.5 | 2.5 | 2.5 | | | | No | 2.5 | 2.5 |
| EPDM (FG) | 60 White | 5 | 3 | 2 | 3.5 | 3 | 325 | -50 | Yes | 3.5 | 3.5 |
| | 70 Black | 5 | 2.5 | 2.5 | 2.5 | | | | No | 3 | 3.0 |
| Carboxylated Nitrile (FG) | 60 White | 5 | 2 | 2 | 2 | 4 | 275 | -50 | Yes | 2 | 2 |
| | 70 Black | 4.5 | 2 | 2.5 | 2 | | | | No | 2 | 2 |
| Natural Rubber (FG) | 40 Tan | 5 | 2.5 | 1 | 2.5 | 1 | 212 | -50 | Yes | 2.5 | 2.5 |
| | 70 Black | 5 | 2 | 1.5 | 2 | | | | No | 2 | 2 |
| Cast Urethane (Ether) (FG) Any Color | 30-55 | 3.5 | 2 | 1.5 | 2 | 2 | 212 | -50 | Yes | 2 | 2 |
| | 60-95 | 3 | 1 | 2.5 | 1.5 | | | | | 1.5 | 1.5 |
| | 55-75 ShoreD | 2.5 | 1 | 3.5 | 1 | | | | | 1 | 1 |
| Cast Urethane (Ester) (FG) Any Color | 30-55 | 3.5 | 2 | 1.5 | 2 | 2 | 212 | -50 | Yes | 2 | 2 |
| | 60-95 | 3 | 1 | 2.5 | 1.5 | | | | | 1.5 | 1.5 |
| | 55-75 ShoreD | 2.5 | 1 | 3.5 | 1 | | | | | 1 | 1 |
| Millable Urethane (Ether) (FG) | 70 Black | 4 | 1.5 | 2 | 1.5 | 2 | 212 | -25 | No | 1.5 | 1.5 |
| | 80 Red | 3.5 | 1.5 | 2.5 | 1.5 | | | | No | 1.5 | 1.5 |
| | 90 Org. | 3 | 1 | 2.5 | 1.5 | | | | No | 1.5 | 1.5 |
| | 65 White | 4 | 1.5 | 2 | 2 | | | | Yes | 2 | 2 |
| Nitrile | 80 White | 4.5 | 3 | 2.5 | 3 | 4 | 300 | -50 | Yes | 3 | 3 |
| Hypalon | 60 Black | 5 | 3 | 2 | 3 | 2 | 300 | -50 | No | 3 | 3 |
| | 90 White | 4 | 2 | 3 | 2 | | | | Yes | 2 | 2 |
| Silicone (FG) | 40-80 | 2 | 5 | 4 | 5 | 2 | 500 | -100 | Yes | 5 | 5 |
| Teflon (FG) | n/a | 1 | 5 | 5 | 5 | 1 | 650 | -100 | Yes | 5 | 5 |
| Ceramic** | 60 | 4 | 1 | 2 | 3 | 4 | 200 | -50 | Yes* | 2 | 2 |
| Ceramic*** (FG) Rockwell C Hardness | Rc 72 | 1 | 1 | 5 | 1 | 1 | 1000 | n/a | Yes | 1 | 1 |
| UHMW (FG) | 63 Shore D | 2 | 1 | 5 | 1 | 5 | 165 | n/a | Yes | 1 | 1 |
| PVC/Plastisol (FLEXIBLE) | 70,90 | 3 | 4 | 4 | 5 | 5 | 175 | 0 | Yes | 5 | 5 |

* = MSHA Accepted Material available upon request

** = Cold Vulcanized/Ceramic Tiles Embedded

*** = Ceramic (plasma sprayed, smooth)

(FG) = Food Grade Material available upon request

Note: As Durometer varies within a family of compounds, the properties may vary.
Please consult a Lynx Products Corp Customer Service representative for assistance.

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Vulcanized Rubber Characteristics (continued)

RATINGS: 1 - Excellent 2 – Very Good 3 – Average 4 – Fair 5 – Not Recommended

| | Petroleum Products | Animal Fats & Oils | Vegetable Fats & Oils | Acids | Alcohols | Alkalis (Cleaning Agents) | Fertilizer | Chloro-Solvents |
|---|--------------------|--------------------|-----------------------|-------|----------|---------------------------|------------|-----------------|
| SBR | 4 | 3 | 3 | 3 | 1 | 3 | 4 | 5 |
| Water Resistant | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 5 |
| Neoprene* (FG) | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 5 |
| EPDM (FG) | 5 | 5 | 5 | 1 | 1 | 1 | 1 | 5 |
| Carboxylated Nitrile (FG) | 1 | 1 | 1 | 4 | 1 | 3 | 3 | 5 |
| Natural Rubber (FG) | 5 | 5 | 5 | 4 | 1 | 3 | 3 | 5 |
| Cast Urethane (Ether) (FG) | 1 | 1 | 1 | 5 | 2 | 5 | 5 | 4 |
| Cast Urethane (Ester) (FG) | 1 | 1 | 1 | 5 | 2 | 5 | 5 | 4 |
| Millable Urethane (Ether) (FG) | 1 | 1 | 1 | 5 | 2 | 5 | 5 | 4 |
| Nitrile (FG) | 1 | 2 | 2 | 4 | 2 | 3 | 3 | 5 |
| Hypalon | 4 | 2 | 2 | 1 | 2 | 1 | 2 | 5 |
| Silicone (FG) | 4 | 2 | 2 | 3 | 2 | 2 | 2 | 3 |
| Teflon (FG) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ceramic** | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ceramic*** (FG) (chemicals below 400 F) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| UHMW (FG) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| PVC/Plastisol | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |

| | Flame | Temp/Heat | Outdoor Environment Sunlight/Ozone/Oxidation | Water |
|--------------------------------|-------|-----------|--|-------|
| SBR | 5 | 4 | 5 | 3 |
| Water Resistant | 5 | 4 | 1 | 1 |
| Neoprene* (FG) | 1 | 3 | 3 | 2 |
| EPDM (FG) | 5 | 2 | 1 | 1 |
| Carboxylated Nitrile (FG) | 5 | 3 | 5 | 2 |
| Natural Rubber (FG) | 5 | 4 | 5 | 1 |
| Cast Urethane (Ether) (FG) | 5 | 4 | 1 | 1 |
| Cast Urethane (Ester) (FG) | 5 | 4 | 1 | 4 |
| Millable Urethane (Ether) (FG) | 5 | 4 | 1 | 1 |
| Nitrile (FG) | 5 | 3 | 5 | 2 |
| Hypalon | 5 | 2 | 1 | 2 |
| Silicone (FG) | 1 | 1 | 1 | 1 |
| Teflon (FG) | 1 | 1 | 1 | 1 |
| Ceramic** | 1 | 1 | 3 | 2 |
| Ceramic*** (FG) | 1 | 1 | 1 | 1 |
| UHMW (FG) | 5 | 5 | 1 | 1 |
| PVC/Plastisol | 5 | 5 | 1 | 1 |

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