

WEBSOLUTIONS

RUBBER-COVERED IDLERS

RELATIVE RATING ● Excellent ● Above Average ● Average ● Fair ○ Poor	NEOPRENE	NITRILE	CARBOXYLATED NITRILE	POLYURETHANE	SILICONE	EPDM	HYPALON	VITON
	Hardness Range	20-95	20-100	45-95	40-95	30-90	25-95	30-90
Tensile Strength	●	●	●	●	○	●	●	●
Modulus	●	●	●	●	○	●	●	●
Elongation at Break	●	●	●	●	○	●	●	●
Tear Strength	●	●	●	●	○	●	●	●
Cut Resistance	●	●	●	●	○	●	●	●
Resistance to Compression Set	●	●	○	●	●	●	●	○
Resistance to Permanent Set	●	●	○	●	●	●	●	○
Resilience	●	●	○	●	●	●	●	●
Resilience to Heat Build-up	●	○	○	●	●	○	○	○
Resistance to Abrasion	●	●	●	●	○	●	●	○
Ozone Resistance	●	○	○	●	●	●	●	●
Hydrolytic Stability	●	●	●	○	●	●	●	○
Dielectric Strength	●	○	○	●	●	○	●	○
Release Characteristics	○	○	○	○	●	○	○	○
Maximum Service Temperature (° F)	250	250	275	212	500	350	300	500
<u>Acids</u>								
(Mineral) Nitric, Sulfuric Hydrochloric, Phosphoric (Organic) Acetic, Boric	●	○	○	○	●	●	●	●
<u>Caustics</u>								
Sodium Hydroxide, Calcium Hydroxide	●	●	○	○	●	●	●	●
<u>Aliphatic Hydrocarbons</u>								
Kerosene, Gasoline, Hexane, Naphtha, Mineral Spirits, Most Offset/Letterpress Printing Inks, Many lubricants and greases	○	●	●	○	○	○	○	●
<u>Aromatic Hydrocarbons</u>								
Toluol or Toluene, Xylol or Xylene	○	○	○	○	○	○	○	●
<u>Chlorinated Hydrocarbons</u>								
Methylene Chloride, 1, 1, 1- Trichloroethylene, Perchloroethylene	○	○	○	○	○	○	○	●
<u>Esters</u>								
Ethyl Acetate, Dioctyl Phthalate, Tricresyl, Phosphate	○	○	○	○	○	○	○	○
<u>Alcohols</u>								
Methanol, Ethanol, Isopropyl Alcohol	●	●	●	○	●	●	●	○
<u>Water</u>								
	○	○	○	○	○	○	○	○
<u>Glycols</u>								
Ethylene Glycol, Glycerine	●	●	○	○	●	●	●	○
<u>Ketones</u>								
Methyl Ethyl Ketone (MEK), Methyl Isobutyl Ketone	○	○	○	○	○	●	○	○

How to specify the right elastomer

Use this elastomer chart to help determine which rubber compound is best suited to your particular situation. If in doubt, call us. We'll help you determine the best possible covering based on the web handling parameters you have to share with us.

How to specify the right grooved rubber roll

The Idler Master™ Catalog presents four different groove configurations for the standard rubber-covered idlers. Other options are also available, including additional groove variations and non-groove designs. To specify the best possible groove or rubber roll design, call us. Chances are we've already designed a rubber-covered roll for an application similar to yours.

