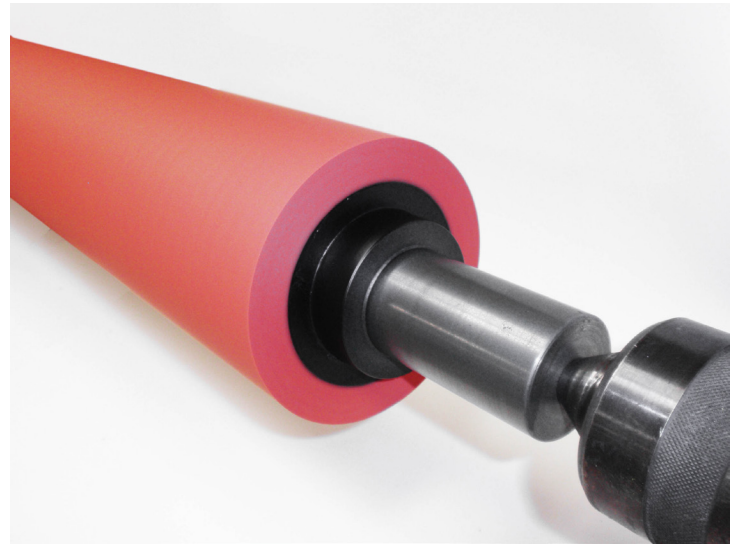




Superior Balance of Chemical and Heat Resistance

Valley Roller's Polar-Rite™ Series of roll coverings offer a superior balance of chemical resistance and heat resistance properties to alternative roll coverings. Polar-Rite coverings have a saturated polymer backbone, which accounts for excellent heat resistance, up to 350°F continuous exposure. Polar-Rite™ is based upon a "non-polar" type polymer, and thus exhibits great resistance to "polar" solvents such as ketones and esters.

Polar-Rite™ coverings offer a balance of physical properties that make this family of coverings an excellent choice for many coatings and general industrial roll applications. Polar-Rite coverings are available in wide range of hardness from 30 - 95 Shore A.



Key Features & General Specifications



- Resistance to polar solvents
- Resistance to hot aqueous media
- Resistance to acids & caustics
- Low swell properties
- Excellent heat stability up 350° F
- Excellent hardness stability
- Excellent ozone resistance
- Resistant to denting

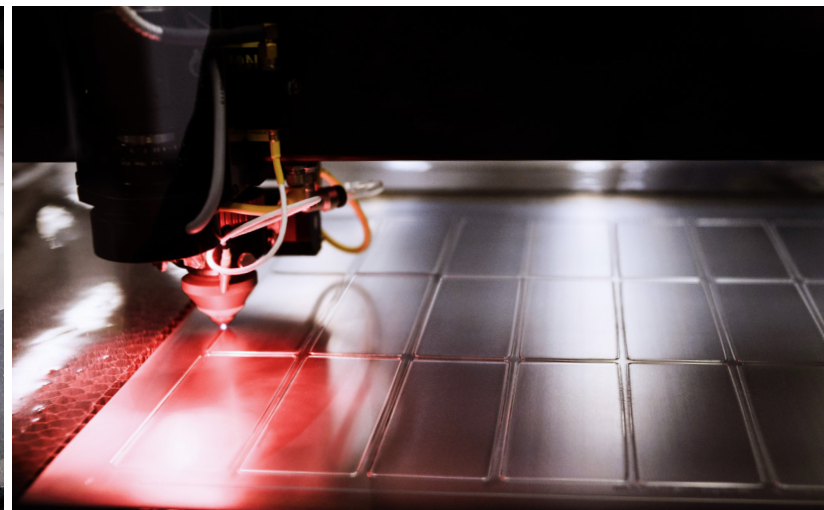
Polar-Rite Applications:

*Coating Rollers
Doctor Roll
Feed Roller
Fountain Rollers
Glue Applicator
Glue Spreader
Metering Roller
Nip Roll
Plate Processor
Seal Rollers
Squeeze Roller
Stain Roller
Tint Sleeve
UV Applicators*

Polar-Rite

PHYSICAL PROPERTIES	
Property	Polar-Rite
Hardness Shore A	30-95
Abrasion Resistance	Good
Tensile Strength	Fair
Modulus	Good
Hysteresis	Fair
Resistance to Denting	Good
Maximum Service Temperature	350° F
Cut Resistance	Fair
Resiliency	Good
Release	Poor

SOLVENT / CHEMICAL RESISTANCE	
Solvent / Chemical	Polar-Rite
Acid	Excellent
Caustic	Excellent
Aliphatic Hydrocarbon	Poor
Aromatic Hydrocarbon	Fair
Chlorinated Hydrocarbon	Poor
Esters	Excellent
Alcohol	Excellent
Water	Excellent
Glycols	Excellent
Ketones	Excellent



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