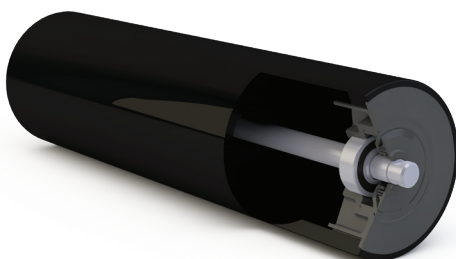


High Density Polyethylene (HDPE) rolls have found a niche in the market by offering several key benefits: significant weight reductions compared to their steel equivalents; great corrosion resistance; excellent wear and abrasion characteristics; and reduction in noise levels. PPI's HDPE roll incorporates our field proven seal system that provides outstanding contamination resistance extending the life of the roll.

## FEATURES AND BENEFITS

- Excellent abrasion and corrosion resistance
- Significant weight reduction compared to steel equivalent
- Utilizes PPI's proven LXT seal system to prevent debris from getting to the bearings
- Features sealed for life ball bearings
- Reduces noise from belt contact compared to its steel counterpart
- Retro Roll capable

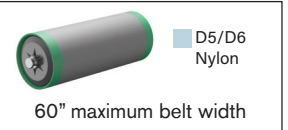
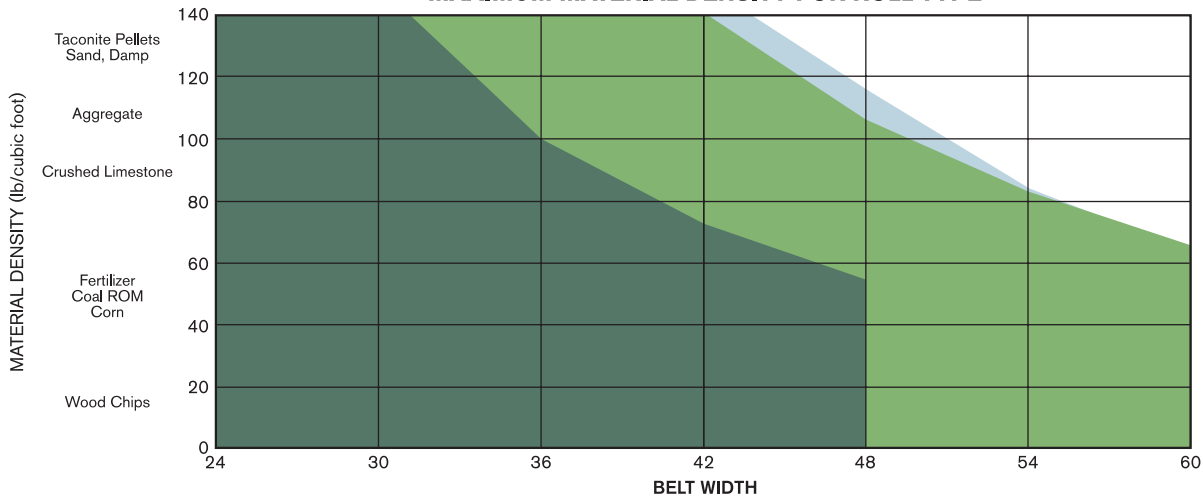


## TECHNICAL SPECIFICATIONS

- Available in 4", 5" and 6" roll diameters with 3/4" shaft
  - 4" diameter shell thickness 1/4"
  - 5" diameter shell thickness 5/16"
  - 6" diameter shell thickness 7/16"
  - Triple labyrinth outer seal
  - 18" through 48" belt widths available for trough rolls.
  - 18" through 48" belt widths available for return rolls.
  - Engineered end bell design
  - Produced to match existing steel roll dimensions
  - Plastic material is sensitive to extreme temperatures.
  - Sample part number: C5-35TE-24PL
- See back for lightweight roll selection guide.

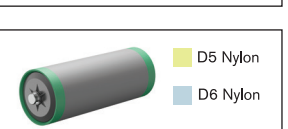
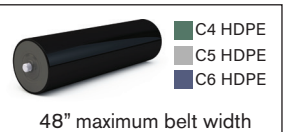
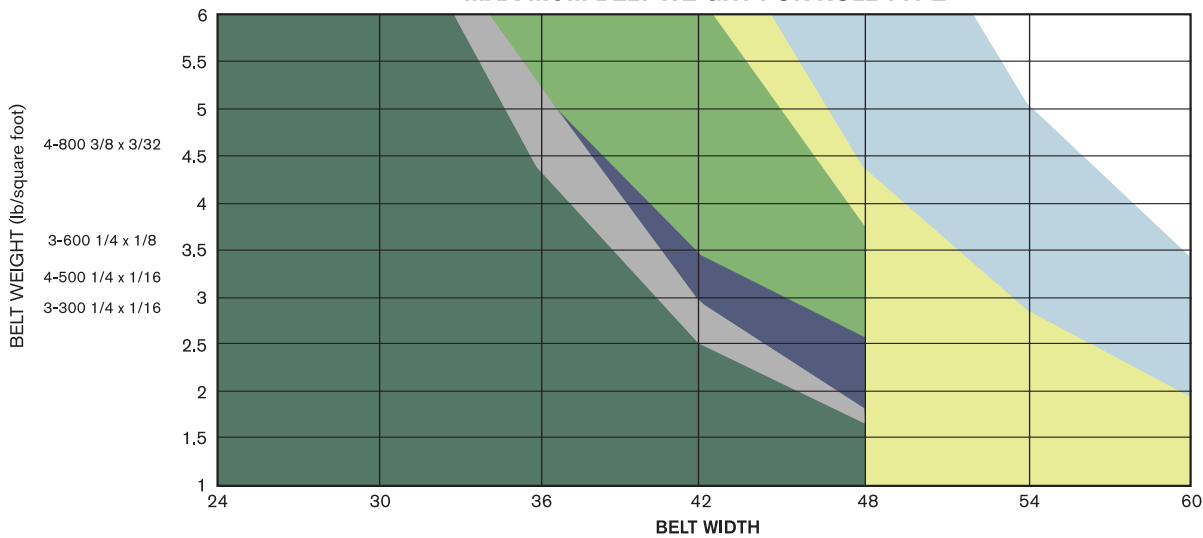
## TROUGHING ROLL REFERENCE CHART

### MAXIMUM MATERIAL DENSITY FOR ROLL TYPE



## RETURN ROLL REFERENCE CHART

### MAXIMUM BELT WEIGHT FOR ROLL TYPE



\*Charts are given for reference only, exact loading conditions may vary. For loading requirements exceeding chart recommendations please contact your PPI representative for additional solutions. For more information about polymer roll capabilities, please refer to PPI's polymer roll fact sheet, Plastic vs. Steel, found on our website: [www.ppi-global.com/resources/catalogs](http://www.ppi-global.com/resources/catalogs)