

Conclusions

- Moisture pickup showed significantly increased rate and amount for needlepunched belts vs. woven belts..
- FeltScan test: shows improved pressure uniformity for needlepunched belt vs. woven, and shows the ability for durable mark protection at seam
- Starch contamination resistance: easier removal of starch from needlepunched belts after drying and flexing
- Thermal insulative capacity: at least a 25°C temperature improvement with needlepunched vs. woven belts
- Durability of properties: long term studies of air permeability on production machine shows improved air perm retention with needlepunched structures