



Technical Data Sheet

NARMADA PET 828

Product Overview

NARMADA PET 828 is a novel block silicone softener that imparts a super-soft surface finish, smooth and silky touch to all types of polyesters, polyester blends, and woven fabrics. It has excellent stability in finishing liquors containing optical brightening agents (OBA) and pigment leached from fabrics, offering good shear stability, low yellowing, and excellent hand feel.

1. Product Profile

- Product: Organo-modified polydimethylsiloxane
- Appearance: Clear transparent to hazy liquid
- Ionic Nature: Cationic
- Solubility in Water: Soluble
- pH Value: 4.0 - 5.5
- Storage Stability: Stable under normal conditions for six months.

2. Application Features

By Dry-on-Wet Padding:

- Woven/Cotton Knits: 10-30 gpl | pH: 5-5.5 | 1 dip/1 nip | Temperature: <40°C | Drying Temperature: 120-140°C

By Exhaustion:

- Polyesters: 1-2% on weight of material (owm) | pH: 5-5.5 | Time: 20-25 mins | Temperature: <40°C | Drying Temperature: 120-140°C

3. Application Precautions

- Check the water quality. If water hardness exceeds 250 ppm, it is recommended to perform a sample trial.
- Avoid direct exposure to flames.
- Regularly clean padding rollers to prevent impurities.
- Check for pH drift during the softening cycle.
- Ensure compatibility with other bath additives before use.
- Store the product under appropriate conditions, especially during winter, as viscosity may change without affecting performance.

4. Product Life Cycle and Disposal

- Personal Protection: NARMADA PET 828 ingredients are non-toxic and non-carcinogenic. When handling, wear gloves and a mask. In case of skin contact, wash with plenty of water.
- Container Disposal: Rinse containers with water, ensuring no residual material remains. Follow local regulations for container disposal.
- Waste Disposal: Wash water and spillage should be directed to the Effluent Treatment Plant (ETP). NARMADA PET 828 is compatible with regular textile ETP processes.

5. Storage and Stability

- Store in original sealed containers below 35°C. Shelf life of six months.
- The product may become hazy when exposed to air. Mix the material for 5 to 10 minutes before use.
- Keep containers tightly closed when not in use, and store under sheltered ambient conditions.
- Refer to the MSDS for safety measures. Available upon request.

6. Health & Safety

For health and handling advice, please refer to the Safety Data Sheet (SDS), available upon request.

The information and recommendations presented here were complied with the utmost care, but cannot be extended to cover every possible case. They are intended to serve as non-binding guidelines and must be adapted to the prevailing conditions.