# Nylene BS 600 CSDN

## NYLENE PA 6 ACID STAIN RESIST CATIONIC

**Nylene® BS 600 CSDN** is a cationic resin reformulated to include built-in Enhanced Acid Stain Resistance as either extruded white dyed BCF or as extruded SDN BCF.

Carpet fibers made with this unique polymer have superior and permanent stain-resistance without the extra cost of applied treatments. The end result is a beautiful carpet that is resilient, durable, and naturally easy to clean.

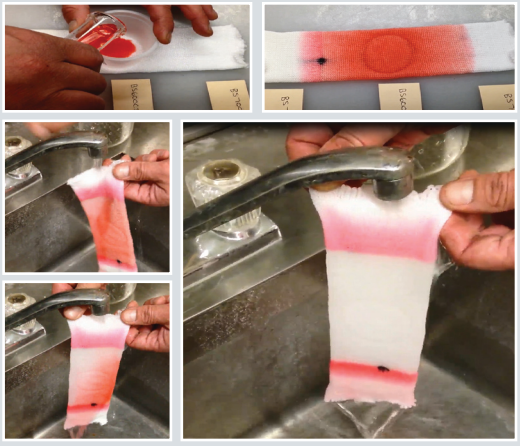
| Product Manufacturing Specifications | Specfication | | |
|---|---|---|---|
| **Properties** | **Minimum** | **Maximum** | **Plant Test Method** |
| Relative Viscosity[1] (96% Sulphuric Acid, 68°F) | 2.55 | 2.71 | 2-5 |
| Methonol Extractables (%) | | 1.00 | 2-3 |
| Moisture Content (%) | | 0.12 | 2-2A |
| Amine End Group (meq/kg) | | 12 | 2-9 |

*1. TEST BASED ON ATSM D445.*

Nylene BS 600 CSDN is manufactured by Nylene Canada Inc., a leading producer of PA 6 acid stain resist cationic resin with polymerization operations based in North America.

### Nylene Cationic Acid Stain Demonstration
*Based on AATCC Acid Stain Test Method 175-1998*

A knitted sock made with medium dye, stain resistant cationic, and ultra-deep dye nylon 6 carpet yarn is stained with a small volume of dilute Food Drug & Cosmetic (FD&C) Red 40 solution. After allowing the stained sock to remain at controlled conditions for 24 hours, it is rinsed in water to remove all the unreacted dye. Residual staining is assessed after drying using the AATCC Red 40 Stain Scale, where a grade of 10 is no stain and 1 is severely stained (see Fig.1).



**Nylene® BS 600 CSDN is rated 8 or better on AATCC Acid Stain Test Method**

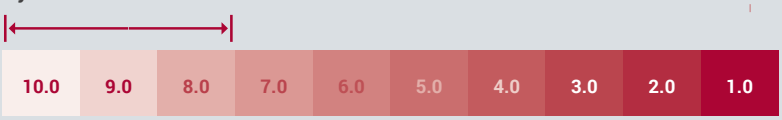



***Fig. 1 - ILLUSTRATION OF AATCC RED 40 STAIN SCALE***
*(AATCC Acid Stain Test Method 175-1998)*


*Note: The dye washed off the BS 600 CSDN but reacted with the amine end groups in the undyed sections of the BS 700A and BS 700D.*

### ABOUT US

Nylene is a specialty nylon manufacturer that provides technically innovative and environmentally responsible products to the global plastics and carpet industries. We specialize in the development and production of all types of engineered thermoplastics, quality polyamide polymers, co-polymer compounds, and premium nylon 6 carpet fibers.

**Nylene Canada, Inc. | 200 McNab Street | Arnprior, ON K7S 3P2 | 613-623-3191 | info@nylene.com | www.nylene.com**