

6265 DEAN PARKWAY ONTARIO NY 14519 WWW.SCIPOLY.COM

## **Technical Data Sheet**

MATERIAL: Nylon 6/6

CATALOG NUMBER: 033

**CAS NUMBER:** 32131-17-2

**DESCRIPTION:** Poly(hexamethylene adipamide)

**FORMULA:**  $(C_{12}H_{22}N_2O_2)_x$ 

**TYPICAL PROPERTIES:** 

**Pellets** Appearance: Viscosity avg Mw: 20,000 Density: 1.30 Glass transition temp: 45°C 254°C Melting point: Flash point: 752°F  $n_D^{20} 1.565$ Refractive index: Solubility parameter: 13.6 m-Cresol Solubility:

**GENERAL INFORMATION:** Prepared by the polycondensation of hexamethylene diamine and adipic

acid. Due to its inherent toughness and solvent resistance, nylon 6/6 is used in a variety of commercial applications such as carpets, clothing,

tires, wire coating, bearings, gears, and housings.

**STRUCTURE:** 

$$+ \frac{1}{N} + \frac{1}{6} + \frac{1}{N} + \frac{$$

Technical information and data regarding the composition, properties or use of the products described herein is believed reliable. However, no representation or warranty is made with respect thereto except as made by  $Sp^2$  in writing at time of sale.  $Sp^2$  cannot assume responsibility for any patent liability which may arise from the use of any product in a process, manner or formula not designed by  $Sp^2$ .