



## Product Data Sheet

### *Epolene®* N-21 Polymer

#### Application/Uses

- Building and Construction
- Hot Melt Adhesives
- Packaging
- Solventborne Adhesives
- Wax Modification
- Wire and Cable

#### Key Attributes

- Higher melt point and hardness provides improved resistance to solvents / oils
- Improves slump resistance in cable filling and flooding
- Medium density polyethylene
- Provides lubricity in printing inks
- Useful as a viscosity modifier in hot melts

#### Product Description

*Epolene* N-21 is a medium density polyethylene that improves slump resistance in cable filling and flooding, provides lubricity in printing inks, and can be used as a viscosity modifier in hot melts. Its higher melt point and hardness, compared to other *Epolene* N-type polymers, provides improved resistance to solvents and oils.

#### Typical Properties

Property	Test Method	Typical Value, Units
Polymer Type		PE
Ring and Ball Softening Point	ASTM E 28	120°C
Penetration Hardness <sup>a</sup>	ASTM D 5	<1 dmm

Viscosity, Brookfield @ 125°C (257°F)	600 cP
Molecular Weight <sup>b</sup>	6,500

<sup>a</sup> Needle under 100-g load for 5s @ 25 deg C, tenths of mm

<sup>b</sup> Molecular weight measured via Gel Permeation Chromatography (GPC) using polystyrene standards

## Comments

Properties reported here are typical of average lots. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

## Compatibility and Solubility

*Epolene* polymers are compatible with many polymers, resins, and natural and synthetic waxes.

## Packaging

*Epolene* N-21 polymer is supplied as free-flowing pellets, packaged in multiwall paper bags with a polyethylene coated inner liner [22.67 kg (50 lb) net weight]. The bags are palletized and stretch wrapped to prevent contamination during storage and shipment. Many *Epolene* polymers are also shipped in a variety of bulk containers.

*Epolene* N-21 polymer is available in powder form as *Epolene* N-21P polymer.

## Storage

The useful life of this product can be affected by storage and handling conditions. When stored in the original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, this product is estimated to continue to meet applicable sales specifications for more than 2 years from the date of manufacture. First in first out (FIFO) inventory control is recommended.