Westlake Chemical Corporation

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Product Data Sheet

Epolene® N-15 Polymer

Application / Uses

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

Key Attributes

- Improves blocking, scuff, and abrasion resistance in paraffin wax blends
- Low molecular weight
- Polypropylene (PP) homopolymer
- Useful in color concentrates, toner compounds, and as a pigment dispersion aid

Product Description

Epolene N-15 is a low viscosity polypropylene homopolymer with a high melt point and excellent hardness. *Epolene* N-15 is used in color concentrates, toner compounds, and as a pigment dispersion aid in polypropylene fiber applications. As a paraffin wax modifier it improves blocking, scuff, and abrasion resistance.

Typical Properties

Property	Test Method	Typical Value, Units
Polymer Type		***PP***
Ring and Ball Softening Point	ASTM E 28	163°C
Penetration Hardness [a]	ASTM D 5	<1 dmm
Viscosity, Brookfield		
@ 125°C (257°F)		Solid @ this temp
@ 190ºC (374ºF)		700 cP

Molecular Weight [b]	12,000

[a] *Needle under 100-g load for 5s @ 25 deg C, tenths of mm*
[b] *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-15 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-15 polymer is available in powder form as *Epolene* N-15P 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.