

## Unilene B-110 LN

### Description:

Low molecular weight, thermoplastic aromatic C9 hydrocarbon resin obtained through catalytic polymerization in a continuous process, pastillated in a pearl-like shape and presented in soft yellow colored scale. Compatible with most solvents and polymeric materials. Unilene<sup>®</sup> B-110 LN has a controlled naphthalene content which allows for a less pronounced odor when compared to regular C9 hydrocarbon resins.

In Rubbers, Unilene improves the processability of compounds, fillers incorporation, dispersion and tack of the mixture, avoiding the elastomer deterioration and reducing the preparation time. For applications in Hot Melt and Solvent-Based Adhesives, the resin promotes tack, wetting, cohesion, open time control and water repellency.

### Applications:

Hot melt adhesives (EVA, metallocene PE and PSA) and solvent based , In addition, the product can be used for seals and sealants, paints and varnishes (road marking, printing inks, aluminum and protective, epoxy and alkyd systems), tires and rubber artifacts and polymer modification.

### Typical Values

Feature	Method	Units	Values
Softening Point	ASTM D 6493	°C	110
Gardner Color (50% in toluene)	ASTM D 6166	-	6 max.
Acid Value	ASTM D 974	mgKOH/g	<0.10
Naphthalene Content	Internal	ppm	100 max.

### Packaging and Storage:

The resins are supplied in 25 ± 0.2 kg polyethylene bags and are supplied in pellet format. Hydrocarbon resins have thermoplastic characteristics, they can agglomerate when submitted to high temperatures and / or under pressure (stacking). It is recommended to store the product in fresh place, free from direct sunlight, moisture and without stacking the pallets, also avoiding direct contact with the soil.

This characteristic is considered more critical for low softening point resins such as Unilene A-80, A-90 and A-90 LN.

### Expiration date:

Two years from production date. Please refer to storage conditions recommendations.

### Legal Statement

- For safety, handling, personal protection, first aid and waste disposal information, refer to the SDS - Safety Data Sheet.
- For any doubt concerning material handling or application, please contact the Technical Services area.
- The properties and values contained in the quality certificate must be considered as a guarantee of the product. For typical values, when provided, the information is given in good faith and obtained in our laboratories, and should not be considered as absolute or as a guarantee.
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