Unilene B-120

Description:

Thermoplastic hydrocarbon resin C9 is obtained from catalytic polymerization of hydrocarbons in a continuous process. Compatible with most solvents and polymeric materials, it has hydrophobic characteristics and has a format of light yellow pellets.

In rubbers, Unilene improves processability, filler incorporation, dispersion and mass adhesion, avoiding elastomer degradation and reducing preparation time. In Solvent and Hot Melt adhesives, the resin promotes good adhesion, cohesion, excellent open time and water repellency.

Applications:

Paint/inks, Concrete Curing, Asphalt components, Varnishes, Adhesives

Typical Values

Feature	Method	Units	Values
Softening Point	ASTM D 6493	°C	120
Gardner Color	ASTM D 6166	-	6 max.
Acid Value	ASTN D 974	mg KOH/g	0,1 máx.
Molecular Weight (Mn)	ASTM D 6579	g/mol	960
Molecular Weight (Mw)	ASTM D 6579	g/mol	2040
Molecular Weight (Mz)	ASTM D 6579	g/mol	3830
Viscosity Brookfield (@180°C)	ASTM D 3236	cP	1385
Cloud Point (MMAP)	ASTM D 6038	°C	29
Glass Transition Temperature	ASTM D 6604	°C	72

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

1. For safety, handling, personal protection, first aid and waste disposal information, refer to the SDS - Safety Data Sheet.
2. For any doubt concerning material handling or application, please contact the Technical Services area.
3. 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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