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Product Data Sheet

Arotac™ 120MA Hydrocarbon Resin

Arotac 120MA is an aliphatic modified aromatic resin. It is produced by copolymerized C5 and C9 fraction that are derived from the by-product of thermal cracking of naphtha. The blend of C9 and C5 resin is 70% C9 resin and 30% C5 resin. It is yellow in color and comes in the form of granular solids. Arotac 120MA is light in color and low in odor. It provides good compatability with base polymers, natural tackifiers, and has good heat stability. The primary applications for Arotac 120MA are as a binder for rubber compounds, hot melt adhesives, and road marking paint.

Physical Properties

Specifications

Softening Point, R&B°
(ASTM E-28)

115 - 125

Color Gardner (50% resin solids in toluene)
(ASTM D-1544)

Max 6 – Typical 4

Melt Viscosity @ 200°C
(ASTM D-3236)

≤ 220

Specific Gravity @ 25°C
(ASTM D-1475)

1.00 – 1.10

Acid Value (mg KOH/g)
(ASTM D-974)

≤ 0.3

Color Stability @ 200°C, 3 hrs.
(ASTM D-1544)

≤ 9

Form: Granular
Package: 25kg bags, super sacks, bulk

Due to chemical structure and composition, granulated and flaked resins may be subject to clumping, blocking and/or fusing. The previously mentioned matters can be accelerated if materials are subjected to any or all of the following conditions: 1) storage of material is prolonged; 2) material is above the ambient temperature; 3) material is exposed to pressure, i.e. stacking pallets, or a compounding of the previously listed conditions.

In order to preserve the composition of the material, it is recommended to: 1) avoid prolonged storage of the material; 2) store the material in a temperature-controlled area; 3) use caution when stacking or applying pressure to the material.

Note: clumping, blocking, and/or fusing does not have negative effects on the material specifications.

We believe the information contained in this document is reliable. However, this does not release our customers from the obligation to test the products supplied by us as to their suitability for intended process and end use. Since many of the applications, uses, and processing of the products are beyond our control, we cannot be held liable for any consequential service failures that occur.