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Product Data Sheet

CI-100 Hydrocarbon Resin

CI-100 is a hydrocarbon resin, ethylene by-product produced by C9 fraction through thermopolymerization. It is brown in color and comes in the form of flake solids. CI-100 has good solubility, water resistance, insulation, chemical stability over alkalis and acids, as well as good adhesive strength, and a low heat conduction. CI-100 is recommended for use in rubber, coatings, and adhesives.

Physical Properties

Specifications

Softening Point, R&B° (ASTM E-28)	95 – 105
Color Gardner (50% resin solids in toluene) (Methylbenzene Test 1:1)	9 – 20 – Typical 18
Bromine Value (gBr/100g) (HG2231-91-A)	70 – 110
Acid Value (mg KOH/g) (ASTM D-974)	≤ 1.0
Specific Gravity (ASTM D71-72A)	1.00 – 1.12
Ash Content (%) (ETM- E- 99)	≤ 0.1

Form: Flake
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.

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