COL 1440

100% Elliottii Rosin obtained by distillation of crude gum / pine oleoresin collected from Pinus trees (live).

VERIFICATIONS

Characteristics	UN	Specification / Tolerance	Method
Color Gardner (50% in Toluene)	-	Max. 7	ML RB 001
Color US Standard	-	WW – X	ML RB 001
Acid Number	mgKOH/g	158 – 168	ML RB 002
Softening Point (Ring and Ball)	ºC	68 – 78	ML RB 003
Solubility in Ethanol	-	Soluble	ML RB 002
Crystallization in acetone	Minutes	Min. 1440	ML RB 004
* Saponification Number	mgKOH/g	165 – 175	ML RB 007
* Volatile Oils Content	L/100kg	Max. 1	ML RB 005
* Insoluble in Toluene	%	Max. 0.05	ML RB 015

* Parameters analyzed sporadically, serve only as reference and do not characterize the product, and the customer must indicate the requirement for confirmation of the request.

APPLICATIONS

✓ Rosin Derivatives, Paper Size, Paints and Varnishes, Micro fusion Waxes, Additives and Rubbers etc.

BENEFITS

✓ Renewable source product;
✓ Improves adherence and transparency of glues and adhesives;
✓ Improves adherence and Good reactivity to preparation derivatives such as esters and reactions with maleic anhydride and fumaric acid;
✓ Improves astringency and hardness of saponified materials (soap).

PACKAGING

Type	Size	Shelf life
Zinc Steel Drum (solid)	250 kg	18 months
Cartons (solid)	25 kg	18 months
Multiwall Kraft paper bags (solid)	25 kg	18 months
Braided polypropylene bags (flakes)	25 kg	6 months
Cartons (flakes)	25 kg	6 months
Multiwall Kraft paper bags (flakes)	25 kg	6 months

DISCLAIMER

To prevent accidents and environmental impacts, please check the product SDS. We request our customers to test our products before using them on industrial scale. Due to the thermoplastic behavior, flaked resins may fuse, block or lump. This can be accelerated under any of the following conditions:

1) above 25°C temperature 2) prolonged storage 3) pressure, e.g., stacking pallets, or a combination of these conditions.

This is particularly applicable for low softening point resin grades. In order to maintain the flake shape, we therefore recommend storing the material in a temperature-controlled area; be careful with stacking material or applying pressure and preventing prolonged storage. It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted. Resins are prone to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the resin in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of

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inventory be observed at all times, taking care that the oldest material is used first. The user of our products bears the responsibility of determining their suitability for a particular application or formulation or determining that the products or their use do not infringe any intellectual property. We do not assume any responsibility or warranty, expressed or implied, resulting from handling, usage and storage whether performed according to the instructions contained in this document, whether used alone or in combination with other products. The buyer assumes all responsibility and liability for loss or damage arising from the handling and use of our products, either alone or in combination with other products.

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