

# Technical Data Sheet

## Foralyn™ 5020-F CG Hydrogenated Rosinate

### Chemical Synonym

Methyl Hydrogenated Rosinate

### Applications

- Adhesives/sealants-b&c
- Bookbinding
- Caps & lids non-food contact
- Carpet construction
- Case & carton sealing closings
- Commerical printing inks
- Cosmetic ingredients - lips
- Film modification
- Fragrance ingredients
- Labels non food contact
- Packaging component films
- Packaging components non food contact
- Packaging tape
- Paints & coatings
- Polymer modification
- Protective coatings
- Road markings
- Roofing ingredients
- Skin care ingredients
- Solder flux
- Specialty tape
- Tape non food contact
- Tires
- Wax ingredients
- Wire/cable

### Key Attributes

- Contributes to adhesion
- Derived from a natural, renewable source
- Excellent plasticizer
- Fragrance fixative
- Good oxidative stability
- High gloss (high refractive index)
- Low color
- Low odor
- Wide solubility and compatibility range

### Product Description

Foralyn™ 5020-F CG Hydrogenated Rosinate, a cosmetic grade resin, is the methyl ester of hydrogenated gum rosin. This liquid resin has good oxidative stability and is given a special steam-sparging treatment to assure minimum odor. With its low odor and low vapor pressure, Foralyn™ 5020-F CG is particularly useful as a fragrance fixative. It has excellent solubility and compatibility with non-polar and many polar ingredients in cosmetic applications, contributing both adhesion and gloss.

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Ring and Ball Softening Point	ASTM E 28	Liquid
Color, Gardner <sup>a</sup>		3
Acid Number (mg KOH/g)		6
Viscosity, Brookfield <sup>b</sup> @ 25°C		5400 cP
Saponification Number		160 mg KOH/g
Refractive Index @ 20°C		1.519
Density @ 25°C		1.03 kg/dm <sup>3</sup>
Flash Point		

Cleveland Open Cup	>170 °C
Description, Base Resin	Hydrogenated Gum Rosin

<sup>a</sup>As is (Neat resin)

<sup>b</sup>Brookfield LVTD, spindle 31

## Comments

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

## Packaging

Foralyn™ 5020-F CG Hydrogenated Rosinate is supplied in tight-head drums.

## Storage

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, inside storage and "first in, first out" inventory control is recommended. Recommended storage: in original packaging, dry, free from contamination, and below 30°C.

Foralyn™ 5020-F CG Hydrogenated Rosinate material will remain within product specification limits for a period of at least twelve months after shipment from Eastman production facilities in the Netherlands, provided recommended storage conditions are observed. However, as we can neither anticipate the conditions under which the resin is processed nor the end-use applications for which it is used, we recommend that the material be tested upon receipt.

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