



Vydyne® 41H, 47H and 49H Natural Heat Stabilized Impact Modified Nylon Resin for Food Contact Applications

Vydyne® 41H, 47H and 49H series Natural, Heat Stabilized nylon resins are formulated and manufactured to meet the relevant requirements of global food contact regulations. There are no limitations placed on these resins for food contact, and they may be used for all food types.

United States – The Nylon 6,6 polymer in these products meets the requirements of 21 CFR 177.1500(b)(1). The Impact Modifier is proprietary, but is listed in the appropriate sections of 21 CFR 174 regarding olefin polymers. This resin contains additives, and each of these proprietary additives meets one or more of various requirements in 21 CFR – Specific citation as a food contact material, GRAS Status, Direct Food Additive status, or Threshold of Regulation (TOR) exemption.

European Union – Vydyne 41H, 47H and 49H Natural Heat Stabilized resins meet all relevant requirements of the following European Regulations and Directives:

- Regulation (EC) 1935/2004 – The Framework Regulation
- Regulation (EC) No 2023/2006 – The Good Manufacturing Practices Regulation
- Regulation (EC) No 10/2011 – Plastic Materials and Articles Intended to Come Into Contact With Food Regulation

Vydyne 41H, 47H and 49H Natural Heat Stabilized resins contains the following substances which are subject to a Specific Migration Limit under Regulation (EC) No 10/2011, Annex I (the Union List):

Component	SML
Hexamethylene Diamine	SML = 2.4 mg/kg
Copper Iodide	SML = 30 mg/kg (expressed as Copper) and SML = 1 mg/kg (expressed as Iodine)
Potassium Iodide	SML = 1 mg/kg (expressed as Iodide)

Compliance with these SML's, as well as the Overall Migration Limit (OML) is a function of the composition, shape, size and use conditions of the finished article. Compliance with these limits should be determined by the customer.

Vydyne® 41H, 47H and 49H series Natural contains no additives which are authorized as food additives or flavorings by 89/107/EEC or 88/388/EEC. All nylon 6,6 polymers contain Adipic Acid and may contain Acetic Acid as monomers. Adipic Acid and Acetic Acids are authorized by EFSA as food additives and/or flavoring ingredients.

Vydyne 41H, 47H and 49H series Natural nylon resins meet all relevant requirements of all national European regulations.

If you have further questions about this or any Ascend Performance Materials product, please do contact us.

Regards,

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