

ARKEMA COATING RESINS

**SYNOLAC® 018HnBg**  
Saturated (Oil Free) Polyester

**Product Information**

**SYNOLAC® 018HnBg** is linear saturated polyester for use in combination with amino- and/or prepolymerised isocyanate resins for carboxyl coating. **SYNOLAC® 018HnBg** is designed to give a good combination of flexibility, hardness and gloss. **SYNOLAC® 018HnBg** used together with HMMM type amino resin gives films with good gloss retention and durability. In combination with isocyanates coatings with very good sterilisation properties are obtained.

**Sales Specification**

Non-volatile content, % (ISO 3251, 1h, 125°C)	54 – 56
Viscosity at 25°C, Gardner-Holdt (DIN 53 015)	ZZ1 – ZZ2
Colour, Gardner scale (ASTM D1544)	Max. 3
Acid value, mg KOH/g (ASTM 3682)	Max. 3

**Other Properties**

Volatile	Solvesso 150/Butyl Glycol (2:1)
Density at 25°C, g/cm <sup>3</sup> (ISO 2811)	1.05
OH Content, solid %, approx.	0.50

Note: Acid value & OH value quoted relative to solid resin

**Recommendations for Use**

**SYNOLAC® 018HnBg** should be used with a suitable methylated melamine resin in the ratio of 80/20 to 85/15 based on solid resins.

The addition of a catalyst such as Nacure 2500 (King Industries) at 0.1 – 0.2% can assist in increasing cure rate.

**Solubility**

Ester	Complete
Ketone	Complete
Glycol Ether	Complete
Aromatic hydrocarbon	Partial
Alcohol	Partial
Aliphatic Hydrocarbon	Not Soluble



**SYNOLAC® 018HnBg**  
Saturated (Oil Free) Polyester

**Recommendations for Use**

Compatibility	
Isocyanate Resins	Very Good
Melamine Resins	Very Good
Phenolic Resin	Good
Polyester Resins	Good
Epoxy Resins	Good
Urea Resins	Fair
Acrylic Resins	Fair

**Precautions for Use**

Please refer to corresponding Safety Data Sheet.

**Storage Recommendations**

**SYNOLAC® 018HnBg** should be stored under shelter in the original containers at temperature not exceeding 35°C. Avoid exposure to direct sunlight.

**Shelf Life**

Under the above mentioned storage conditions the shelf life of the resin will be 12 months.

Arkema Coating Resins Malaysia Sdn Bhd  
P.L.O 491, Jalan Keluli,  
Pasir Gudang Industrial Estate,  
81700 Pasir Gudang, Johor, Malaysia  
Telephone:  
(60) 7-253 6688  
Fax:  
(60) 7-251 8453

Visit our website:  
[www.arkemacoatingresins.com](http://www.arkemacoatingresins.com)



IMPORTANT: The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Arkema expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information. **NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, PROMISE OR REMEDY, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION CONTAINED HEREIN.** The information provided herein relates only to the specific product designated and may not be applicable when the information is combined with other materials or in any process. The user should thoroughly test any application before commencing use. Arkema considers a resin to be used under any patent and it should not be construed as an indication of infringement. It is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.

© 2013 Arkema Inc. All rights reserved. 02/13