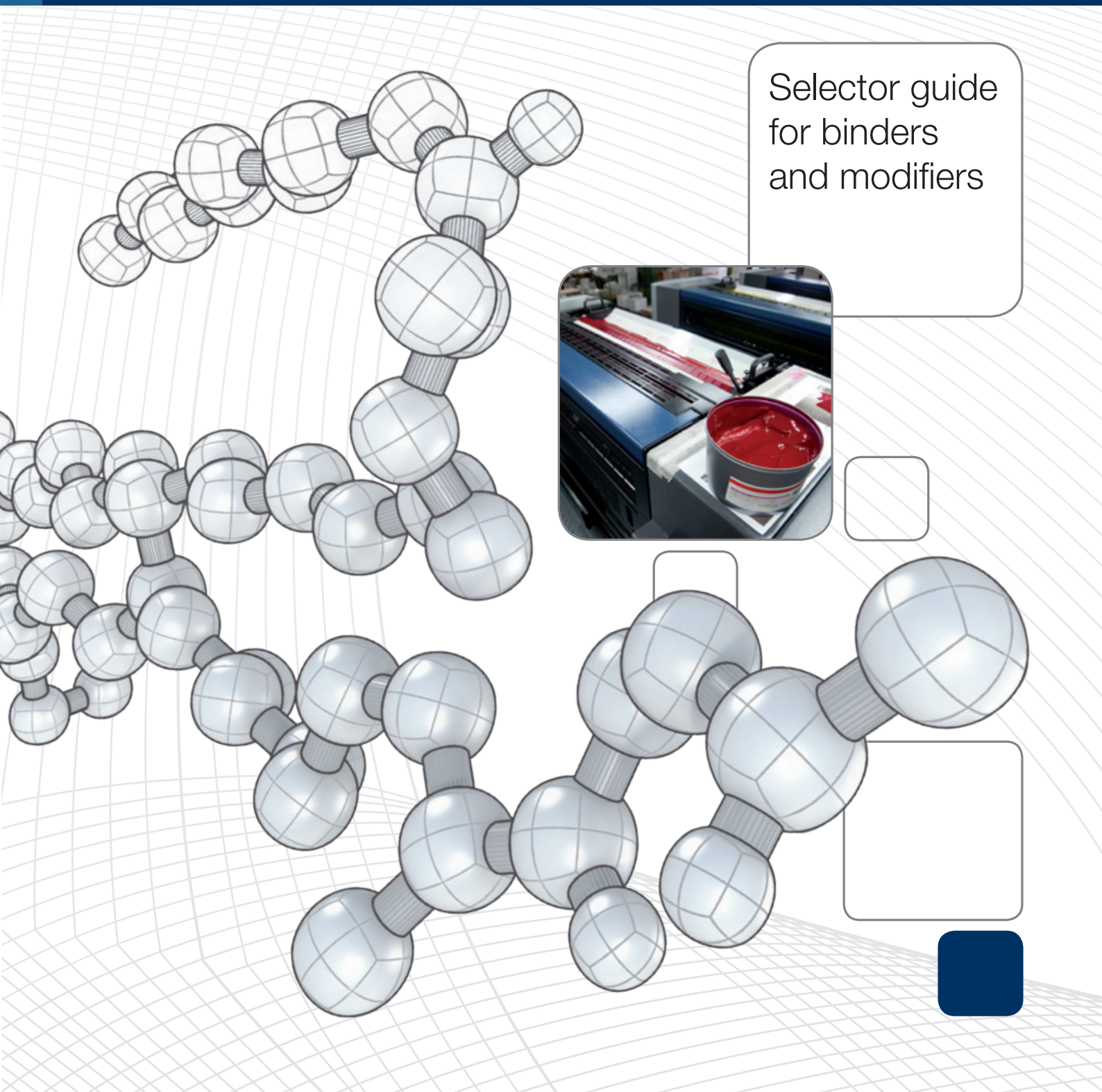
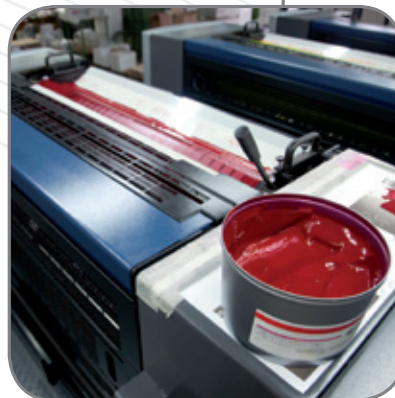


Advanced Materials

Thermoplastic polyamides for printing inks and varnishes

Selector guide
for binders
and modifiers



Eurelon®

Binders for printing inks
and varnishes

Eurelon® polyamide resins

They are used as binders, co-binders or modifying agents for printing inks and printing varnishes, especially for flexographic and rotogravure printing processes.

Eurelon® polyamides are reaction products of dimerized fatty acids, diamines and chain terminators and they contain up to 90% renewable resources. Depending on their specific composition, the solid Eurelon® polyamides are soluble in alcohols or in co-solvent mixtures of alcohols and non-polar solvents like petroleum spirits or aromatic carbohydrate solvents.

Eurelon® for the packaging industry

Packaging is the main end-market for Eurelon® polyamide resins which are ideal binders for applications where good adhesion to plastic packaging films and good flexibility of the printing film are required.

All Eurelon® types show in general good compatibility with each other and show good compatibility with a wide range of natural and synthetic resins, plasticizers, waxes and most of the types of pigments that are generally used in the ink industry.

Several criteria such as printing process type, solvent compatibility, blocking resistance, gloss, chemical resistance (to water, detergents, fats and oils) are key for selecting the right Eurelon® grade.

With a wealth of experience behind them, Huntsman's technical support specialists can help you to identify the right Eurelon® product and to define or adapt the proper processing conditions.



Binders for printing inks and varnishes

Product designation	Softening point	Melt viscosity	Amine value	Acid value	Color	Key properties
Unit / scale	°C	Pa·s	mg KOH/g	mg KOH/g	Gardner	

Co-solvent soluble polyamides for flexo- and rotogravure printing

Eurelon® 930	105 - 115	2.1 - 2.7 at 165°C	< 6	< 8	< 10	High gloss and resistance to media
Eurelon® 931	105 - 115	1.8 - 2.8 at 165°C	< 5	< 6	< 10	Low odour, good release properties
Eurelon® 940-1	105 - 115	1.0 - 2.0 at 165°C	< 5	< 6	< 10	Low viscosity
Eurelon® 946	98 - 108	0.6 - 1.3 at 165°C	< 9	< 7	< 10	Very good solubility and gelation resistance
Eurelon® 961	125 - 135	0.7 - 1.0 at 150°C	< 7	< 7	< 10	Good blocking resistance
Eurelon® 964	143 - 153	0.05 - 0.15 at 160°C	< 6	< 6	< 10	High blocking resistance, very low viscosity
Eurelon® 970	105 - 115	1.3 - 2.1 at 160°C	< 6	< 5	< 10	Adhesion to non pretreated PE and PP
Eurelon® 990	105 - 115	1.7 - 2.7 at 165°C	< 3	< 12	< 9	Low odour and stabilized against odour formation

Ethanol soluble polyamides for flexo- and rotogravure printing

Eurelon® 962	105 - 115	0.3 - 0.4 at 160°C	< 7	< 7	< 10	Low viscosity
Eurelon® 965	109 - 119	0.4 - 1.0 at 160°C	< 5	< 6	< 10	Balanced property profile
Eurelon® 966	122 - 128	0.2 - 0.3 at 160°C	< 5	< 5	< 10	Better resistance to blocking and media
Eurelon® 969	97 - 107	0.4 - 0.7 at 160°C	< 8	< 5	< 15	Very good solubility and thinability of solutions
Eurelon® 975	171 - 181	9.0 - 13.0 at 230°C	< 5	< 6	< 8	Very good solubility in diverse solvents

Special polyamide resins

Eurelon® 951	130 - 140	0.15 - 0.25 at 160°C	< 4	< 8	< 10	Wax modified with good release properties
Eurelon® 957	118 - 128	0.3 - 0.5 at 160°C	< 5	< 5	< 10	Wax modified with good release properties
Eurelon® 980	150 - 170	25 - 55 at 200°C	15 - 25	90 - 110		Water reducible binders

Huntsman Advanced Materials

Our Advanced Materials division is a leading global chemical solutions provider with a long heritage of pioneering technologically advanced epoxy, acrylic and polyurethane-based polymer products.

Our capabilities in high-performance adhesives and composites, delivered by more than 1 600 associates, serve over 2 000 global customers with innovative, tailor-made solutions and more than 1 500 products which address global engineering challenges.

Global presence – 13 manufacturing sites



HUNTSMAN

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