

# SAFE COLORATION OF POLYAMIDES COLORANTS PORTFOLIO FOR POLYAMIDES



# SAFE COLORATION OF POLYAMIDES COLORANTS PORTFOLIO FOR POLYAMIDES

Heubach offers a wide range of colorants for the polyamides. Polyamides have outstanding toughness and wear resistance as well as excellent electrical properties and chemical resistance. Polyamide is widely used for molded parts, fiber production, and packaging film applications. Polyamides are processed at high temperatures and in combination with their slightly alkaline melt, create a chemically aggressive environment that degrades many organic compounds, including organic colorants. As a general rule, colorants based on »azo« chemistry should be avoided. Polyamide is also commonly used in the electrical and electronic applications, which require RoHS compliance and also increasingly apply restrictions on the presence of specific halogens in the raw materials of their products. The underneath table lists a number of Solvaperm®, Polysynthren® and Hostasol® dyes as well as PV Fast® pigments which have been positively tested in grades of PA 6 and PA 6.6 under laboratory conditions.

#### The symbols mean:

- Suitable
- Limited suitability
- Not suitable

| PRODUCT NAME           | COLOUR INDEX | INJECTION MOULDING PA 6 | INJECTION MOULDING PA 6.6 | PA 6 FIBRES | PA 6.6 FIBRES | PA 6 FILM |
|------------------------|--------------|-------------------------|---------------------------|-------------|---------------|-----------|
| HOSTASOL YELLOW 3G     | S.Y. 98      | ■                       | ■                         | ■           | ●             | ●         |
| HOSTASOL RED GG        | S.O. 63      | ●                       | ●                         | ■           | ■             | ●         |
| POLYSYNTHREN YELLOW RL | P.Y. 192     | ■                       | ■                         | ■           | ■             | ●         |
| SOLVAPERM ORANGE 3G    | S.O. 60      | ■                       | –                         | ■           | –             | ●         |
| SOLVAPERM RED G        | S.R. 135     | ●                       | ●                         | –           | –             | ●         |
| SOLVAPERM RED 2G       | S.R. 179     | ■                       | ■                         | ■           | –             | ●         |
| SOLVAPERM RED PFS      | S.R. 111     | ●                       | –                         | –           | –             | –         |
| SOLVAPERM BLUE 2B      | S.B. 104     | ●                       | ●                         | ■           | –             | ●         |
| PV FAST ORANGE 6RL     | P.O. 68      | ■                       | ■                         | ●           | ●             | ■         |
| PV FAST RED B          | P.R. 149     | ●                       | –                         | ■           | –             | ■         |
| PV FAST RED E3B        | P.V. 19      | ●                       | –                         | –           | –             | ●         |
| PV FAST RED E5B        | P.V. 19      | ●                       | –                         | –           | –             | ●         |
| PV FAST PINK E         | P.R. 122     | ●                       | –                         | ●           | –             | –         |
| PV FAST PINK E 01      | P.R. 122     | ●                       | –                         | ●           | –             | –         |
| PV FAST VIOLET ER      | P.V. 19      | ■                       | –                         | –           | –             | ●         |
| PV FAST VIOLET BLP     | P.V. 23      | –                       | –                         | ■           | –             | ●         |
| PV FAST BLUE A2R       | P.B. 15:1    | ●                       | ●                         | ●           | ●             | ■         |
| PV FAST BLUE BG        | P.B. 15:3    | ■                       | ■                         | ■           | ●             | ■         |
| PV FAST GREEN GNX      | P.G. 7       | ●                       | ●                         | ●           | ●             | ■         |

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. We make no warranties, express or implied, as to the information's accuracy, adequacy, sufficiency, or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of our products for its particular application. \*Nothing included in this information waives any of our General Terms and Conditions of Sale, which control unless it agrees otherwise in writing. Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing our products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products. For additional information, please contact us.

\*For sales to customers located within the United States and Canada the following applies in addition

NO EXPRESS OR IMPLIED WARRANTY IS MADE OF THE MERCHANTABILITY, SUITABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE OF ANY PRODUCT OR SERVICE. 02/2022

™ Trademark, © Trademark registered in many countries  
PLA 2012 EN | 03.2025

#### Sudarshan Chemical Industries Limited Registered Office

Eleven West Panchshil, 7th Floor, Survey No. 25,  
Near PAN Card Club Road, Baner, Pune 411069  
(India)

Board line: +91-20-68281200

www.sudarshan.com