

## ELIX 280G

High Molecular Weight SAN copolymer. Used to improve dimensional and thermal stability in PVC extruded applications. Can be blended with High Rubber Modifiers (ELIX<sup>TM</sup> 100 series) to manufacture or modify properties profile of ABS resin. Used as Intermediate for polymer blends.

### Major Benefits

Improves melt strength and melt stability in PVC compositions and ABS resin. Allows superior dynamic loading performance for ABS resin.

### Chemical composition

Styrene-Acrylonitrile Copolymer

### Physical Form

Transparent to slightly yellow pellets

### Typical properties\*

| Property              | Test Condition      | Standard | Unit         | Value      |
|-----------------------|---------------------|----------|--------------|------------|
|                       |                     |          | SI Metrics   |            |
| Typical properties    |                     |          |              |            |
| Acrylonitrile content |                     | Lab-IR   | %            | 23,0 -24,5 |
| Residual styrene      |                     | Lab-GC   | ppm          | < 750      |
| Melt Volume Flow Rate | 220 °C; 10 kg       | ISO 1133 | cm³/(10 min) | 30 -35     |
| Base color            | 20% solution in DMF | DIN 6271 |              | < 80       |

\*Control measurements in other places may issue different results due to influences of machinery, equipment, test method or storage conditions.

### Disclaimer for sales products

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#### Test values

Unless specified to the contrary, the values given have been established on standardised test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.

#### Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed

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processing temperatures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error or defects in the heating system, special care and controls are essential in these areas.

### **ELIX Polymers, S.L. - E-43006 Tarragona**

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