

ELIX™ 158 I

High rubber content Acrylonitrile Butadiene Styrene modifier used to improve toughness of engineering thermoplastics & PVC.

Typical applications

- . Provides superior impact strength performance at room & low temperature for blends containing Polycarbonate, Polyesters (PBT, PET) and copolymer SAN.
- . Highly effective modifier for improving impact strength, elongation at break and process ability for opaque PVC compounds used for indoor profiles, semi-rigid sheets, decorative films, molded parts.
- . Useful additive to improve mechanical properties of recycle ABS, SAN and ABS+PC.

Chemical composition

Acrylonitrile-Butadiene-Styrene Copolymer.

Physical form

White to slightly yellow powder.

Handling information

Please see the Material Safety Data Sheet for relevant health & safety information.

Typical properties

Polybutadiene content : 54-58%	INEOS ABS Lab (internal) – IR
Residual monomers : max. 0,25%	INEOS ABS Lab (internal) – GC
Moisture content : max. 1,2%	INEOS ABS Lab (internal)
Bulk density at 23°C : 250-390 g/L	INEOS ABS Lab (internal)

Note : 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 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.

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