

## ELIX 158I

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

### **Major Benefits**

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.

### **Typical properties\***

Property	Test Condition	Standard	Unit	Value
			SI Metrics	
Typical properties				
Polybutadiene		Lab-IR	%	54-58
Residual monomers		Lab-GC	%	< 0,25
Moisture content		Lab	%	< 1,2
Bulk density at 23 °C			g/L	250 - 390

\*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

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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.

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

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