



PRODUCT INFORMATION

TAROPRENE 1A85 E6N V0

Thermoplastic Elastomer Vulcanized. This TPE-V compound combines the typical performance of a vulcanized elastomer with the easy processing of a thermoplastic compound. Taroprene is totally recyclable and it can be produced in standard grades and in tailor-made grades. Available in natural, black and colored grade.

ISO short Form ISO 1043: TPV-(EPDM+PP) FR(40) Pellets

Key Features

- Flame retardant
- Designed for extrusion applications
- Good adhesion to polyolefinic substrate

Availability

- Natural and Black colours

Process

- EXTRUSION

Application

- Electrical
- Automotive

Property	Method	Unit	Value	Condition	State
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PHYSICAL

Density (+23°C)	ISO 1183	g/cm ³	1,24		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	3,5	190°C - 5 kg	

MECHANICAL

Hardness SHORE A	ASTM D2240	Shore A	85	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	6,2		
Elongation at Break	ASTM D412/C	%	490		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	3,6		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	4,2		
Tear Strength	ASTM D624/C	N/mm	35		

FLAMMABILITY

Flame Behaviour (3,2 mm)	UL94	Class	V0		
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The listed data are in the normal range of product properties, they should not be used to establish specification nor as the basis of design. Values are valid for natural coloured version only.

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to both the health and the well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation systems and fresh air at the workplace in accordance with the product Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperatures and conditions should not be substantially exceeded.

All information, recommendation or technical advice provided by TARO PLAST S.p.A. are given in good faith but without warranty, to the best of its knowledge and based on current procedures in effect. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing methods and conditions of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely under your own responsibility.

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Glow Wire Flammability Index-GWFI (1,6 mm) IEC 60695-2-12 °C 960

EXTRUSION	Value
Drying Temperature (Desiccant Dryer)	80 - 90°C
Drying Time (Desiccant Dryer)	3 h
Melt Temperature	180 - 210°C
Feed Temperature	180°C
Rear Temperature	185°C
Middle Temperature	190°C
Front Temperature	200°C
Die Temperature	210°C
Back Pressure	50 - 150 bar
Screw Revolving Speed	25 - 80 rpm
Screw L/D Ratio	24:1 / 30:1
Screw Compression Ratio	min 2,5:1 / max 4:1

Notes TAROPRENE is incompatible with POM and PVC. We recommend that all TAROPRENE products are always dried prior to use at the specified drying conditions.

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