



PRODUCT INFORMATION

TAROPRENE 1A50 M1N

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.

ISO short Form ISO 18064: TPV-(EPDM+PP)
Pellets

Key Features

- Designed for injection moulding applications
- Good adhesion to polyolefinic substrate

Availability

- All colours

Process

- INJECTION MOULDING

Application

- General purpose applications
- Consumer
- Building
- Seals and gaskets
- Automotive

Property	Method	Unit	Value	Condition	State
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm ³	0,96		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	5,0	190°C - 5,0 kg	
MECHANICAL					
Hardness SHORE A	ASTM D2240	Shore A	50	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	4,5		
Elongation at Break	ASTM D412/C	%	500		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	1,5		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	2,8		
Tear Strength	ASTM D624/C	N/mm	16		
Compression Set	ASTM D395/B	%	30	70°C - 22 h	

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.

Unless specified to the contrary, the given values have been established on standardized test specimens at room temperature. These values are for natural colour only. The figures should be regarded as guide values only and not as binding minimum values. Please note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mold/die, the processing conditions, pigments and any other additives.

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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FLAMMABILITY

Burning Rate (US-FMVSS 302)	ISO 3795	mm/min	< 100
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INJECTION MOULDING

	Value
Drying Temperature (Circulating Air Oven)	80 - 90°C
Drying Time (Circulating Air Oven)	3 h
Melt Temperature	190 - 230°C
Feed Temperature	180°C
Rear Temperature	190°C
Middle Temperature	200°C
Front Temperature	220°C
Nozzle Temperature	220°C
Mould Temperature	25 - 50°C
Injection Rate	MEDIUM

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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