



PRODUCT INFORMATION

## TAROPRENE 1A50 E1N

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 extrusion applications
- Good adhesion to polyolefinic substrate

### Availability

- All colours

### Process

- EXTRUSION

### Application

- Wire and cable jacket
- Building
- Seals and gaskets
- Tubing
- Automotive

Property	Method	Unit	Value	Condition	State
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#### PHYSICAL

Density (+23°C)	ISO 1183	g/cm <sup>3</sup>	0,96		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	3,0	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	%	600		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	1,5		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	2,3		
Tear Strength	ASTM D624/C	N/mm	18,0		

#### THERMAL



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Brittle point	ASTM D746	°C	-45
Heat ageing resistance	Internal method	°C	120

<b>EXTRUSION</b>	<b>Value</b>
Drying Temperature (Desiccant Dryer)	80 - 90°C
Melt Temperature	190 - 220°C
Rear Temperature	180°C
Middle Temperature	190°C
Front Temperature	200°C
Die Temperature	210°C

**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.