



PRODUCT INFORMATION

## TAROPRENE 1A70 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 surface aspect
- Good adhesion to polyolefinic substrate

### Availability

- All colours

### Process

- INJECTION MOULDING

### Application

- General purpose applications
- Furniture
- Electrical
- Consumer
- Building
- Automotive

Property	Method	Unit	Value	Condition	State
<b>PHYSICAL</b>					
Density (+23°C)	ISO 1183	g/cm <sup>3</sup>	0,96		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	5,0	190°C - 5 kg	
<b>MECHANICAL</b>					
Hardness SHORE A	ASTM D2240	Shore A	70	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	6,5		
Elongation at Break	ASTM D412/C	%	600		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	3,5		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	4,5		



PRODUCT INFORMATION

**TAROPRENE 1A70 M1N**

Tear Strength	ASTM D624/C	N/mm	28,0
Compression Set (70°C - 22 h)	ASTM D395/B	%	36
Compression Set (100°C - 70 h)	ASTM D395/B	%	42

<b>INJECTION MOULDING</b>	<b>Value</b>
Drying Temperature (Circulating Air Oven)	90°C
Drying Temperature (Desiccant Dryer)	80°C
Drying Time (Circulating Air Oven)	3 h
Drying Time (Desiccant Dryer)	2 h
Melt Temperature	210-230°C
Feed Temperature	180°C
Rear Temperature	190°C
Middle Temperature	200°C
Front Temperature	200°C
Nozzle Temperature	210°C
Mould Temperature	25-50°C
Injection Rate	Medium

**Notes** TAROPRENE is incompatible with POM and PVC. All TAROPRENE compounds must be stored indoors at a temperature below 40°C avoiding humidity and direct sunlight as well. We recommend that all TAROPRENE products are always dried prior to use at the specified drying conditions. Despite a longer shelf storage life without loss of properties, we recommend to use the material within 6 months from the production date. The processing parameters like processing temperatures are a recommendation and can be adjusted in function of injection machine size, part geometry and design.