



PRODUCT INFORMATION

## TAROPRENE 1A70 M1M

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 1043: PP-EPDM Pellets

### Key Features

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

### Availability

- All colours

### Process

- INJECTION MOULDING

### Application

- General purpose applications
- Furniture
- Consumer
- Building
- Covering
- Tubing
- Automotive

Property	Method	Unit	Value	Condition	State
<b>PHYSICAL</b>					
Density (+23°C)	ISO 1183	g/cm <sup>3</sup>	0,97		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	12	190°C - 5 kg	
<b>MECHANICAL</b>					
Hardness SHORE A	ASTM D2240	Shore A	70	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	5,3		
Elongation at Break	ASTM D412/C	%	420		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	2,4		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	4,2		



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Tear Strength	ASTM D624/C	N/mm	18,5	
Compression Set	ASTM D395/B	%	40	22 h - 70 °C
Compression Set	ASTM D395/B	%	48	22 h - 100 °C

<b>INJECTION MOULDING</b>	<b>Value</b>
Drying Temperature (Circulating Air Oven)	80°C
Drying Time (Circulating Air Oven)	3h
Melt Temperature	180 - 220°C
Rear Temperature	160-180°C
Middle Temperature	180-220°C
Front Temperature	190-230°C
Nozzle Temperature	200-230°C
Mould Temperature	25 - 40°C
Injection Rate	MEDIUM-HIGH

**Notes** All TAROPRENE compounds must be stored indoors at a temperature below 40°C avoiding humidity and direct sunlight as well. Despite a longer shelf storage life without loss of properties, we recommend to use the material within 6 months from the production date.