PRODUCT INFORMATION

TAROPRENE 1A60 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 ISO 1043: PP-EPDM
Form 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
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm^3	0,97		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	12	190°C - 5 kg	
MECHANICAL					
Hardness SHORE A	ASTM D2240	Shore A	60	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	4,2		
Elongation at Break	ASTM D412/C	%	485		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	1,83		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	3,2		

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Tear Strength	ASTM D624/C	N/mm	16,8	
Compression Set	ASTM D395/B	%	36	22 h - 70 °C
Compression Set	ASTM D395/B	%	41	22 h - 100 °C

INJECTION MOULDING	**Value**
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.