PRODUCT INFORMATION

TAROPRENE 1A60 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 ISO 18064: TPV-(EPDM+PP)
Form 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	60	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	6,0		
Elongation at Break	ASTM D412/C	%	550		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	1,9		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	3,2		
Tear Strength	ASTM D624/C	N/mm	25		
Compression Set	ASTM D395/B	%	33	22 h - 70 °C	

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FLAMMABILITY

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

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.