PRODUCT INFORMATION

TAROPRENE 1A80 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	ISO 18064: TPV-(EPDM+PP)
Form	Pellets

Key Features

- Designed for extrusion applications
- Good adhesion to polyolefinic substrate

Availability

- All colours

Process

- EXTRUSION

Application

- General purpose applications
- Wire and cable jacket
- Building
- Seals and gaskets
- Tubing
- 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	3,0	190°C - 5,0 kg	
MECHANICAL					
Hardness SHORE A	ASTM D2240	Shore A	80	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	8,0		
Elongation at Break	ASTM D412/C	%	500		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	4,0		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	5,3		
Tear Strength	ASTM D624/C	N/mm	38,0		

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EXTRUSION	Value
Drying Time (Circulating Air Oven)	3 h
Drying Temperature (Circulating Air Oven)	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. 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.