



PRODUCT INFORMATION

TAROPRENE 1D50 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 Form ISO 18064: TPV-(EPDM+PP)
Pellets

Key Features

- Designed for extrusion applications
- Good surface aspect
- Good adhesion to polyolefinic substrate

Availability

- All colours

Process

- EXTRUSION

Application

- General purpose applications
- Furniture
- Consumer
- Building
- Seals and gaskets
- Covering
- 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 kg	
MECHANICAL					
Hardness SHORE D	ASTM D2240	Shore D	50	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	22,0		
Elongation at Break	ASTM D412/C	%	450		
Elongation at Yield	ASTM D412/C	%	35,0		



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Tensile Yield Strength	ASTM D412/C	MPa	11,0
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	15,0
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	16,0
Tear Strength	ASTM D624/C	N/mm	95,0

EXTRUSION	Value
Drying Temperature (Circulating Air Oven)	80 - 90°C
Drying Temperature (Desiccant Dryer)	80°C
Drying Time (Circulating Air Oven)	3 h
Drying Time (Desiccant Dryer)	2 - 3 h
Suggested Max Moisture	0,05
Suggested Max Re grind	15%
Melt Temperature	210 - 215°C
Feed Temperature	195°C
Rear Temperature	195°C
Middle Temperature	200°C
Front Temperature	205°C
Die Temperature	215°C
Back Pressure	50 - 150 bar
Screw Revolving Speed	25 - 80 rpm
Screw L/D Ratio	24:1 / 30:1
Screw Compression Ratio	min 2,5:1 - max 4:1

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.