PRODUCT INFORMATION

TAROPRENE 1A85 E6N V0

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. Available in natural, black and colored grade.

ISO short	ISO 1043: TPV-(EPDM+PP) FR(40)
Form	Pellets

Key Features

- Flame retardant
- Designed for extrusion applications
- Good adhesion to polyolefinic substrate

Availability

- Natural and Black colours

Process

- EXTRUSION

Application

- Electrical
- Automotive

Property	Method	Unit	Value	Condition	State
PHYSICAL					
Density (+23°C)	ISO 1183	g/cm^3	1,24		
Melt Flow Rate (MFR)	ISO 1133	g/10 min	3,5	190°C - 5 kg	
MECHANICAL					
Hardness SHORE A	ASTM D2240	Shore A	85	3 sec	
Tensile Break Strength	ASTM D412/C	MPa	6,2		
Elongation at Break	ASTM D412/C	%	490		
Tensile Modulus at 100% elongation	ASTM D412/C	MPa	3,6		
Tensile Modulus at 300% Elongation	ASTM D412/C	MPa	4,2		
Tear Strength	ASTM D624/C	N/mm	35		
FLAMMABILITY					
Flame Behaviour (3,2 mm)	UL94	Class	V0		

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Glow Wire Flammability Index-GWFI (1,6 mm)	IEC 60695-2-12	°C	960

EXTRUSION	Value
Drying Temperature (Desiccant Dryer)	80 - 90°C
Drying Time (Desiccant Dryer)	3 h
Melt Temperature	180 - 210°C
Feed Temperature	180°C
Rear Temperature	185°C
Middle Temperature	190°C
Front Temperature	200°C
Die Temperature	210°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. We recommend that all TAROPRENE products are always dried prior to use at the specified drying conditions.