

TAROPRENE® 1 A45 E1N

Thermoplastic Vulcanizate

Taro Plast S.p.A.

Message:

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.

General Information			
Features	Good Processability		
	Recyclable Material		
Appearance	Black		
	Colors Available		
	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	3.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	45		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹			ASTM D412
100% Strain	1.30	MPa	
300% Strain	2.60	MPa	
Tensile Strength ² (Break)	3.80	MPa	ASTM D412
Tensile Elongation ³ (Break)	450	%	ASTM D412
Tear Strength	15.0	kN/m	ASTM D624
Compression Set			ASTM D395B
70°C, 22 hr	28	%	
100°C, 22 hr	32	%	
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	160 to 210	°C	
NOTE			
1.	Die C		
2.	Die C		
3.	Die C		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

