

Forprene® 6NM901A45

Thermoplastic Vulcanizate

SO.F.TER. SPA

Message:

Forprene® 6NM901A45 is a Thermoplastic Vulcanizate (TPV) material. It is available in Europe, Latin America, or North America for injection molding.

Primary attribute of Forprene® 6NM901A45: REACH Compliant.

Typical applications include:

Automotive

Construction Applications

Sealing Applications

General Information			
Uses	Automotive Applications		
	Construction Applications		
	Seals		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	8	%	ASTM D412
Tensile Stress ¹ (100% Strain)	1.30	MPa	ASTM D412
Tensile Strength ²	3.70	MPa	ASTM D412
Tensile Elongation ³ (Break)	500	%	ASTM D412
Tear Strength ⁴	17.0	kN/m	ASTM D624
Compression Set ⁵ (70°C, 22 hr)	36	%	ASTM D395B
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Rear Temperature	150	°C	
Middle Temperature	160	°C	
Front Temperature	170	°C	
Nozzle Temperature	175	°C	
Mold Temperature	20.0 to 40.0	°C	
NOTE			
1.	Die C		
2.	Die C		
3.	Die C		

4.	Die C
5.	Type 1

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Recommended distributors for this material

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