



FORPRENE NERO 6NM901A90

Thermoplastic Vulcanizate (TPV)

Color	Black
Markets	Automotive, Building
Applications	Exterior: mud flap, Interior: door bottom profile
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Processing technology	Injection moulding

Physical properties	Typical value (SI)	Typical value (EN)	Test method
Hardness Shore A, 15s	91	91	ASTM D2240
Density	0.96 g/cm ³	0.96 g/cm ³	ASTM D792
Mechanical properties	Typical value (SI)	Typical value (EN)	Test method
Tensile strength	12 MPa	1740 psi	ASTM D412-C
Elongation at break	600 %	600 %	ASTM D412-C
Modulus 100%	5.2 MPa	754 psi	ASTM D412-C
Tear strength	50 kN/m	285.625 lb/in	ASTM D624-C
Tensile set	48 %	48 %	ASTM D412
Compression set (type 1 specimen, 22 h 70 °C)	56 %	56 %	ASTM D395-B type 1
Processing conditions	Typical value (SI)	Typical value (EN)	
Drying	3h/80 °C	3h/176 °F	
Injection moulding	Typical value (SI)	Typical value (EN)	
Recommended processing temperatures:			
1st Zone	170 °C	338 °F	
2nd Zone	180 °C	356 °F	
3rd Zone	185 °C	365 °F	
Nozzle	195 °C	383 °F	
Mould	20-40 °C	68-104 °F	

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

Disclaimer

The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TER. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application. Test carried out at 23°C unless otherwise stated.



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