

Forprene® 6D5.A80

Thermoplastic Vulcanizate (TPV)

Description	TPV, injection moulding grade, high fluidity, excellent UV resistance.
Norm compliance	EU Directive 2002/95/EC (RoHS) compliant.
Applications	Automotive, industrial.
Processing technology	Injection moulding

The following figures indicate the typical material properties and are not to be considered a specification

Physical Properties	Typical value	Test method	Units
Hardness 15"	A 82	ASTM D2240	Shore
Specific gravity (23°C)	0.96	ASTM D792	g/cm ³
Elasto-Mechanical Properties	Typical value	Test method	Units
Tensile strength	8.3	ASTM D412-C	MPa
Elongation at break	480	ASTM D412-C	%
Modulus 100%	3.7	ASTM D412-C	MPa
Tear strength	35	ASTM D624-C	kN/m
Compression set (22 h 70°C)	43	ASTM D395-B TYPE 1	%
Processing Conditions	Typical value	Test method	Units
Cylinder temperature	160-170-180	-	°C
Nozzle temperature	185	-	°C
Mould temperature	20-50	-	°C
Drying	not necessary	-	hours - °C

Storage

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