

# Forprene® 6D5.A90

Thermoplastic Vulcanizate (TPV)

<b>Description</b>	TPV, injection moulding grade, high fluidity, excellent UV resistance.
<b>Norm compliance</b>	EU Directive 2002/95/EC (RoHS) compliant.
<b>Applications</b>	Automotive, industrial.
<b>Processing technology</b>	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"	<b>A 92</b>	ASTDM D2240	Shore
Specific gravity (23°C)	<b>0.94</b>	ASTM D792	g/cm <sup>3</sup>

Elasto-Mechanical Properties	Typical value	Test method	Units
Tensile strength	<b>11.5</b>	ASTM D412-C	MPa
Elongation at break	<b>500</b>	ASTM D412-C	%
Modulus 100%	<b>5.2</b>	ASTM D412-C	MPa
Tear strength	<b>51</b>	ASTM D624-C	kN/m
Compression set (22 h 70°C)	<b>52</b>	ASTM D395-B TYPE 1	%

Processing Conditions	Typical value	Test method	Units
Cylinder temperature	<b>170-180-185</b>	-	°C
Nozzle temperature	<b>195</b>	-	°C
Mould temperature	<b>20-50</b>	-	°C
Drying	<b>not necessary</b>	-	hours - °C

**Storage**

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