

# Forprene® 6MD.A55

Thermoplastic Vulcanizate (TPV)

<b>Description</b>	TPV, injection moulding grade, high fluidity.
<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 56</b>	ASTM D2240	Shore
Specific gravity (23°C)	<b>0.95</b>	ASTM D792	g/cm <sup>3</sup>
Elasto-Mechanical Properties	Typical value	Test method	Units
Tensile strength	<b>5.0</b>	ASTM D412-C	MPa
Elongation at break	<b>440</b>	ASTM D412-C	%
Modulus 100%	<b>1.6</b>	ASTM D412-C	MPa
Tear strength	<b>22</b>	ASTM D624-C	kN/m
Compression set (22 h 70°C)	<b>33</b>	ASTM D395-B TYPE 1	%
Processing Conditions	Typical value	Test method	Units
Cylinder temperature	<b>160-170-180</b>	-	°C
Nozzle temperature	<b>185</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.