

Forprene® 6EK.A50

Thermoplastic Vulcanizate (TPV)

Description	TPV, extrusion grade.
Norm compliance	EU Directive 2002/95/EC (RoHS) compliant.
Applications	Automotive, building, industrial.
Processing technology	Extrusion

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 51	ASTM D2240	Shore
Specific gravity (23°C)	0.99	ASTM D792	g/cm ³
Elasto-Mechanical Properties	Typical value	Test method	Units
Tensile strength	4.4	ASTM D412-C	MPa
Elongation at break	500	ASTM D412-C	%
Modulus 100%	1.6	ASTM D412-C	MPa
Tear strength	19	ASTM D624-C	kN/m
Compression set (22 h 70°C)	35	ASTM D395-B TYPE 1	%
Processing Conditions	Typical value	Test method	Units
Cylinder temperature	160-170-180	-	°C
Head temperature	180	-	°C
Dye temperature	170	-	°C
Drying	not necessary	-	hours - °C

Storage

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