Technical Specification: EPDM collar

Test Method	General Characteristics	Unit	Valve
ASTM D2240	Hardness	Shore A	50 +/- 5
ASTM D412	Tensile Strength (TS)	MPa, min	7.0
ASTM D412	Elongation @ Break	%, min	350
ASTM D624	Tear Resistance Die C	kN/m, min	20.0
ASTM D573 Heat Resistance 70 hrs @ 100°C	Change in Hardness	Shore A	+/- 10
	Change in TS	%	+/- 25
	Change in Elongation	%	+/- 25
	Water Absorption 40hrs @70°C		
ASTM D471	Change in Volume	%, Max	5
	Resistance to Ozone	100ppm No cracks	Passed
ASTM D1171	Low Temp. Brittleness (3 mins @ -50°C)	Non-brittle	Passed
ASTM D2137	Water Permeability	Moisture or Membrane break	Passed
AS/NZS 4347	Flame Resistance	HB	Passed
UL 94	Constant Temperature Resistance	°C	-50 to 115°C
-	Intermittent Temperature Resistance	°C	-50 to 150°C

Technical Specification: Self-adhesive apron base

Test Method	General Characteristics	Unit	Valve
	Material Base		Spun bonded HDPE
	Primary Colour		White
DIN EN ISO 536	Unit Weight	g/m2	75
ASTM D 272487	Delamination(MD)	N/2.54cm	1.7
DIN EN 20534	Thickness	µm	205
ASTM D 3575	Continues operating temperature range	° Celsius	- 20 TO + 100
ISO 2471	Opacity	%	97.3
DIN EN ISO 1924-2	Tensile (MD)	N/2.54cm	205
	Elongation	%	23
DIN EN ISO 1924-2	Tensile (XD)	N/2.54cm	220
	Elongation	%	26
ISO 2758	Mullen burst	kPa	1200
DIN EN 21974	Elmendorf(MD)	N	5.8
DIN EN 21974	Elmendorf(XD)	N	5.8
DIN 53122	SD Value (water vapour permeability)	m	42
	Adhesive		Pure acrylic
	Adhesive Strength	N/25mm	>25
Note: Self-adhesive apron base melts at 135 °C. it is therefore not heat or fire resistant			