

**TECHNICAL SPECIFICATIONS FOR GASKETS MANUFACTURED WITH THE FORMULA:
POLYFLU 10.2 + POLYPROM 02**

No.	Requirements	Tests to be carried out	Results to be obtained	Test equipment	Results obtained
1	Seal at - 40° C	Exposure of product to - 40° for 12 h.	No cracks or weakening of the structure.	Stereoscopic microscope G: 20X	No cracks or weakening of the structure. No tearing of the structure. Seal to IP X6 standard after testing.
2	Seal at + 80° C	Exposure of product to + 70° for 24 h.	No separation from the support or weakening of the structure.	Stereoscopic microscope G: 20X	No separation from the support or weakening of the structure. Seal to IP X6 standard after testing.
3	Impermeability	Immersion of product for 2 hours under 5 cm of water.	Water absorption < 5% of the nominal weight of the gasket (weighing before and after).	Precision balance 0.01 g	Water absorption no more than 2%.
4	Load strength	Measurement of the force required to sink a 100 mm long blade on a thickness of 1.5 mm up to the required height.	with H = 3.3 mm F--> <4 daN.	Dynamometer	Measurement on an average of 24 parts: 3 daN.
5	Elastic flow	Compression F applied to the gasket for 22 hours at 70° C.	10 min after relaxation to ambient, residual deformation must not exceed more than 10% of the initial thickness of the gasket.	Gauge	After exposure to pressure for 22 hours at 70° C, residual deformation is less than 10%.
6	Adhesion to epoxy-polyurethane paints	Pre-conditioning for 24 hours at 20° C, peeling at 90° C. Tearing of gasket at a tensile strength of 1 m/min.	Tear strength must be > 2.5 N for each cm of width of the gasket.	Special equipment	Good adhesion obtained without dusting the support before fitting the gasket.
7	Fire resistance	Incandescent wire test according to NF 20455 at 550°.	t <30s after removing the wire.	Incandescent wire * chronometer	Gasket classified 550° C/30 seconds.
8	Sealing	IP 55 - IP 60	No infiltration into the protected volume.	S ^{VT} at 070	IP 60 where IP 55 requested and IP 60 where IP60 requested.
9	Ozone resistance	70 h at an ozone concentration of 50 pphm at a temperature of 38° C, in conformity with Fiat standard 50417, with gasket in operating condition	No cracks visible with 6X magnification	Stereoscopic microscope G: 6X	At the end of the test, none of the 3 sections of gasket exposed to ozone presented visible cracks when magnified 6 times. According to the classification provided for by the standard, all parts are constructed to merit index 6 .
10	Resistance to thermal cycles	10 cycles each consisting of 4 h at 90 +/- 2°C, 4 h at -40 +/- 2°C	No cracks visible at 2X magnification Reduction of properties < 25%. Test under operating conditions: 24h in waterbox, no infiltration allowed.	Stereoscopic microscope G 2X Dynamometer	Waterbox test on new parts: OK, Waterbox test after accelerated ageing: OK.
11	Resistance to humid heat	200 h at 40 +/- 2° C with R.H. > 90%			
12	Resistance to heat shock	1 h at 120° +/- 2° C 2 h at 100° +/- 2° C			