



TECHNICAL SPECIFICATIONS

WALL THICKNESS		5 mm ($\pm 0,25$ mm)	NEW 04.02
MINIMUM	TEMPERATURE	-40°C	NEW 06.10
MAXIMUM		105°C (Working temperature) 115°C (Peak temperature)	NEW 05.05
BENDING RADIUS (x diameter internal)		1.5	NEW 04.04
INFLAMMABILITY		SELF EXTINGUISHING	NEW 06.05
FLEXURAL STRENGTH		2.000.000	NEW 04.10
TENSILE	STRENGTH	≥ 100 Kgf (-5%)	NEW 04.08
COMPRESSION		≥ 45 Kgf (-5%) (Elastic deformation 10% \varnothing_{int})	NEW 04.07
IMMERSION		4 min	NEW 06.06
PRESSURE DROP		0.16 kPa	NEW 04.01
SEALING		FUSING	
RAW MATERIAL		POL / FCA / PET	

* The negative pressure resistance can be adjusted as the necessity of the project.

Tests were performed in tubes of internal diameter 50 mm.

TABLE OF DIAMETERS

INNER DIAMETER = $\varnothing i$

24,5 mm

39 mm

40 mm

41 mm

43 mm

45,5 mm

46 mm

47,5 mm

50 mm

51,5 mm

55 mm

58 mm

60 mm

63,5 mm

65 mm

70 mm

73 mm

76 mm

80 mm

90 mm

100 mm

105 mm

110 mm

120 mm

150 mm

NEW WdB TEST STANDARD

NEW 01.00 GENERAL SPECIFICATION FOR FLEXIBLE DUCTS

NEW 04.01 SEALING DUCT PROCEDURE

NEW 04.02 WALL THICKNESS VERIFICATION

NEW 04.04 CURVATURE RADIUS

NEW 04.07 COMPRESSION STRENGTH

NEW 04.08 TENSILE STRENGTH

NEW 04.10 FLEXURAL STRENGTH

NEW 05.05 CONDITIONING IN AIR FLOW OVEN

NEW 06.05 INFLAMMABILITY

NEW 06.06 WATER IMMERSION RESISTANCE

NEW 06.10 HEAT RESISTANCE