KYNAR® HD 4000
Rigid linear hose

COD.	Dimensions		Weight	Bending radius	Pressure at 20°C	
	Ø o	Ø i	gr. mt	mm	burst ATM	working ATM
PVDF 2x4	4	2	16,77	25	233	78
PVDF 2,5x4	4	2,5	13,62	30	162	54
PVDF 4x6	6	4	27,95	45	140	47
PVDF 6x8	8	6	39,12	65	100	33
PVDF 8x10	10	8	50,30	80	78	26
PVDF 10x12	12	10	61,48	100	64	21
PVDF 11x14	14	11	102,00	150	84	28

TEMPERATURE °C
Maximum working temperature -40°C + 100°C. The table here below shows pressure values expressed as a % in relation to temperature.

20°	30°	40°	60°	80°	90°
100%	72%	57%	52%	47%	25%

TOLERANCES
± 0,07 on wall thickness
± 0,07 on outside Ø up to 8 mm
± 0,1 on outside Ø from 10 mm
± 0,5% on weight

CHARACTERISTICS
KYNAR 4000 Polyvinylidene Fluoride (PDVF) is a pure semicrystalline homopolymer, containing about 59% of fluorine. It is a noble material with no additives and excellent properties, including:

- excellent resistance to chemical products, even the most aggressive ones
- exceptional resistance to ageing, as it is totally unaffected by ultraviolet rays
- excellent thermal stability, no darkening when subjected to heat
- good resistance to abrasion
- good mechanical resistance

The crystallinity rate of Kynar 4000 has been selected to obtain excellent properties, such as gas impermeability or very
limited swelling in some solvents, whilst maintaining considerable impact strength and great stability.

DATA SHEET			
Property	Unit	Specification	Values
Density	G/cm³	ISO R1183D	1,78
Melting point	°C	ISO 3416C	170
Flexural modulus	Mpa	ISO 178	2100
Charpy impact	J/m	ISO 180	140
Strength at yield	Mpa	ISO R527	51
Elongation at yield	%	ISO R527	9
Elongation at break	%	ISO R527	>50
Flame resistance		UL 94	V0
Hardness	shore D	ISO 868	80