Technical data

Polyethylene / PE-UHMW / HDPE
Temperature resistance: approx. 70 °C oxidizing atmosphere

Filter grade	Density	Porosity	Specific flow coefficient		Porometer ø pore size	Bubble Point Pressure difference	Shear strength	Tensile strength	Elongation
	[g/cm³]	[%]	laminar [m²] x10⁻¹²	turbulent [m] x10⁻⁷	[µm]	[Pa]	[N/mm²]	[N/mm²]	[%]
HP FI i	0,58 - 0,62	35 - 39	12	100	22	825	12	8	35
HP 5	0,56 - 0,62	35 - 39	0,7	6,5	7	3551	10	4	50
HP 10	0,56 - 0,60	37 - 41	3,4	20	12	1825	8	4	30
HP 20	0,53 - 0,57	40 - 44	11	51	18	1075	9	5	40
HP 40	0,51 - 0,55	42 - 46	19	60	35	425	6	4	20
HP 60	0,54 - 0,61	36 - 43	23	72	62	210	7	5	16
HP 80	0,46 - 0,54	43 - 52	30	80	78	125	7	5	15
HP 100	0,41 - 0,47	52 - 57	48	101	97	105	6	5	12
HP antistatic i	0,49 - 0,53	44 - 48	15	55	22	775	4	3	15
HP FI-R i	0,58 - 0,62	35 - 39	12	100	22	825	12	7	35
	EN ISO 2738	*DIN ISO 30911-3*	*DIN ISO 4022*		*ASTM E1294*	*DIN ISO 4003*	*DIN ISO 30911-6*	*according to EN ISO 2740*	*according to DIN ISO 3325*

All stated values are mean values; the single values can differ according to the dimensions of the components.

i

HP FI – Standard plate material for fluidization
HP antistatic – Standard material antistatic; Surface resistivity $<10^6$ Ohm / All other HP grades are also available in antistatic version.
HP FI-R – Stainless steel infiltrated standard plate material for fluidization. The material is detectable and therefore suitable for use in the food industry.