POLYETHYLENE FABRIC - SPECIFICATIONS

FABRIC NO	MESH COUNT	DIAMETER MICRON	OPENING MICRON	OPEN AREA %	THICKNESS MICRON
14	12X12	546	1571	55	1000
18	16X16	346	1242	61	655
24	20X20	346	924	53	680
30	25X23	299	761	52	610
40	34X32	244	526	47	500
50	42X40	244	376	37	525
60	50X47	173	351	45	360
70	59X56	150	292	44	300
80	67X61	122	276	48	250
100	83X64	122	229	43	255
120	96X76	122	177	35	260
150	120X102	86	144	39	175
180	144X100	86	129	36	190
200	156X100	86	122	34	190

Polyethylene Mesh

Material: polyethylene, polypropylene.

Knitting and features: the thermal spraying, cold-processed form; of wear and corrosion resistance, toughness, and other major features of alternative tinsel; colors are black, white, orchids, green, yellow, red, and so on.

Purpose: mainly used for oil and chemical industry, aquaculture, and so on, to produce another vehicle back, air-conditioning use nets, fire-retardant network, such as network subgrad.

COMPARISON OF PHYSICAL PROPERTIES

	POLYETHYLENE	POLYPROPYLENE	NYLON	POLYESTER	PVC
SPECIFIC GRAVITY	0.94-0.96	0.91	1.14	1.38	1.39
MOISTURE %	0	0	4.5	0.4	0
TENSILE STRENGTH g/d	5.0-9.0	4.5-7.5	4.8-6.4	4.3-5.5	2.7-3.7
LOSS OF STRENGTH WHEN WET (%)	0	0	8.16	0	0
STRETCH COEFFICIENT %	8-35	25-60	28-42	20-32	20-25
SOFTENING POINT	100-115C	140-160C	180C	238-240C	70C
MELTING POINT	125-135C	165-173C	215-220C	255-260C	200-215C
WEATHERABILITY	little effected by exposure	little effected by exposure	turns yellow when deteriorated	little effected by exposure	little effected by exposure
CHEMICAL RESISTIVITY	highly resistant to acid, alkaline	little effected by undiluted acids, alkaline	deteriorated in HCL, H2S04 and oxalic acids, but little effected by alkaline	melts in undiluted H2SO4 acid and deteriorates in strong alkaline	resists acid and alkaline
MOULDS, MILDEWS	uneffected	uneffected	uneffected	uneffected	uneffected
BURNING CHARACTERISTICS	burns like candle	embers turn transparent	embers when cold turn hard glass balls	emits soot and odour when burning	shrinks and emits bad odour when burning