



Typical properties of Petromole®: F Grades

Origin:	IRAN	Brand:	Petromole
Company:	Sahand Co.	Model:	F / Self-extinguishing grades
Plant:	Babol EPS Plant	Standards:	UL (HF1), Iran Chemical

Grade	Bead Size (mm)	Pre-expansion Density (Kgf/cm ²)	Foam Multiple	Foam Density (g/L)	Usage
F50	1.6 - 1.9	11	60 - 75	10 - 20	Insulation, big packing products
F100	1.2 - 1.6	13	47 - 65	14 - 22	Insulation, big packing products
F150	1.0 - 1.2	14	42 - 60	16 - 30	Insulation, medium-density packing products
F250	0.73 - 1.0	15	35 - 55	20 - 35	Medium-density Insulation and packing products
F350	0.47 - 0.73	16	28 - 50	22 - 40	High-density Insulation, special use products
F450	0.3 - 0.47	17	24 - 45	23 - 42	High-density Insulation, special use products

Polystyrene Content	93 ~ 94 %	Moisture Content	1 %	Max.
Pentane Content	5 ~ 7 %	Foam Water Absorption	100 gr/m ²	Max.
Flame Retardant	1 % Max.	Foam Compressive Strength	0.5 kgf/cm ²	Min.
MV (*1000)	250 Aprx.			
Specific Gravity	1.03 ~ 1.05			