

Kay Metzeler (EPS)

Material Specification

Physical Properties BS EN 13163:2012	EPS 70-70E (SD)	EPS 100-100E (HD)	EPS 150-150E (EHD)	EPS 200-200E (UHD)	EPS 250-250E (35F)	EPS 300-300E (40F)	EPS 350-350E (45F)	EPS 400-400E (50F)	EPS 500-500E (55F)	Superplus EPS 70 Low Lambda	Superplus EPS 100 Low Lambda
Maximum Thermal Conductivity at 10oC (W/mK) Lambda 90/90	0.038	0.036	0.035	0.034	0.033	0.033	0.033	0.033	0.033	0.030	0.030
Compressive Strength at 10% Compression (kPa)	70	100	150	200	250	300	350	400	500	70	100
Cross Breaking Strength (Bending Strength) (kPa)	115	150	200	250	350	450	525	600	750	115	150
Water Vapour Resistivity (MN.sg ⁻¹ m ⁻¹)	100 to 200	150 to 350	150 to 350	200 to 500	200 to 500	200 to 500	200 to 500	200 to 500	200 to 500	100 to 200	150 to 350
Fire Classification	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F	Euroclass F
Water Absorption (V/V) Test Method: EN12088	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%	<=10%
Nominal Density (kg/m ³)	15	20	25	30	35	40	45	50	55	15	20