

EXPANDED POLYSTYRENE STYROPOR - EPS 50 (CARBON REINFORCED)

FEATURES	SYMBOL	UNIT	DEFINITION											TOLERANCE	STANDART
Density	ρ	kg/m ³	16											±1	TS EN 13163
Width/Length	W / L	mm	500 / 1000											±3 (W3) ±3(L3)	TS EN 822
Thickness	d	mm	10	20	30	40	50	60	70	80	90	100	±2 (T2)	TS EN 823	
Reaction To Fire class	-	-	E											-	TS EN 13501-1
Thermal Conductivity Declared Value	λ_D	W/mK	0,032											-	TS EN 13163
Thermal Resistance	R _D	m ² K/W	0,30	0,60	0,90	1,25	1,55	1,85	2,15	2,50	2,80	3,10	-	TS EN 13163	
Maximum Operating Temperature	-	°C	-50 / +70											-	-
Deviations from Mitre (length/width)	S	mm/m	S5											±5	TS EN 824
Surface Smoothness	P	mm/m	P5											±5	TS EN 825
Dimensional Stability	DS(N)	%	DS(N)2											±%0,2	TS EN 1603
Bending Strength	BS	kPa	BS100											-	TS EN 12089
Compressive Strength at 10% Deformation	CS(10)	kPa	CS(10)50											-	TS EN 826
Tensile Strength Perpendicular To Faces	TR	kPa	TR100											-	TS EN 1607
Long Term Water Absorption by Immersion Completely	WL(T)	%	WL(T)4											≤%4	TS EN 12087
Specified in the Dimensional Stability of Temperature and Humidity Conditions	DS(TH)	%	DS(70,-)2											%2	TS EN 1604
Resting Time	-	-	Block stand for 21 days. Plate stand for 7 days.											-	-
The Packaging Material	-	-	Polythene Film											-	-
Amount Of Packaging (The Number Plate/Package Volume)	-	Quantity/m ³	50/0,25	25/0,25	16/0,24	12/0,24	10/0,25	8/0,24	7/0,245	6/0,24	6/0,27	5/0,25	-	-	