EXPANDED POLYSTYRENE STYROPOR - EPS 80

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	λD	W/mK	0,038										-	TS EN 13163
Thermal Resistance	RD	m^{2}K/W	0,25	0,50	0,75	1,05	1,30	1,55	1,80	2,10	2,35	2,60	-	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	BS125										-	TS EN 12089
Compressive Strength at 10% Deformation	CS(10)	kPa	CS(10)80										-	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)3										≤%3	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 7 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	-	-

EXPANDED POLYSTYRENE STYROPOR - EPS 100

FEATURES	SYMBOL	UNIT	DEFINITION										TOLERANCE	STANDART
Density	ρ	kg/m^3	20										±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	0,036										-	TS EN 13163
Thermal Resistance	R_D	m^2K/W	0,25	0,55	0,80	1,10	1,35	1,65	1,90	2,20	2,50	2,75	-	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	BS150										-	TS EN 12089
Compressive Strength at 10% Deformation	CS(10)	kPa	CS(10)100										-	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)3										≤%3	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 7 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	-	-

EXPANDED POLYSTYRENE STYROPOR - EPS 120

FEATURES	SYMBOL	UNIT	DEFINITION										TOLERANCE	STANDART
Density	ρ	kg/m^3	22										±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	λD	W/mK	0,034										-	TS EN 13163
Thermal Resistance	RD	m^{2}K/W	0,25	0,55	0,85	1,15	1,45	1,75	2,05	2,35	2,60	2,90	-	TS EN 13163
Maximum Operating Temperature	-	°C	-50 / +70										-	-
Deviations from Mitre (length/width)	S	mm/m	S1										±5	TS EN 824
Surface Smoothness	P	mm/m	P4										±5	TS EN 825
Dimensional Stability	DS(N)	%	DS(N)2										±%0,2	TS EN 1603
Bending Strength	BS	kPa	BS200										-	TS EN 12089
Compressive Strength at 10% Deformation	CS(10)	kPa	CS(10)120										-	TS EN 826
Tensile Strength Perpendicular To Faces	TR	kPa	TR150										-	TS EN 1607
Long Term Water Absorption by Immersion Completely	WL(T)	%	WL(T)2										≤%2	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 7 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	-	-

EXPANDED POLYSTYRENE STYROPOR - EPS 50 (CARBON REİNFORCED)

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	λD	W/mK	0,032										-	TS EN 13163
Thermal Resistance	RD	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 7 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	-	-

EXPANDED POLYSTYRENE STYROPOR - EPS 70 (CARBON REİNFORCED)

FEATURES	SYMBOL	UNIT	DEFINITION										TOLERANCE	STANDART
Density	ρ	kg/m^3	20										±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	λD	W/mK	0,031										-	TS EN 13163
Thermal Resistance	RD	m^{2}K/W	0,30	0,60	0,95	1,25	1,60	1,90	2,25	2,55	2,90	3,20	-	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	BS120										-	TS EN 12089
Compressive Strength at 10% Deformation	CS(10)	kPa	CS(10)70										-	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 7 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	-	-