

This data sheet serves as the general characteristics of the product to customer needs. It contains individual specifications, composition and use of this material.

Technical specification:

SP1000*1000*80/250 is made by injection molding technology. This parts have high accuracy of dimensions. Wall elements are used when installing tanks, containers, or mobile flood barriers. The elements can be joined together by thermal welding.

The surface of the moldings must be smooth, free from defects, bubbles and molded foreign bodies. Smaller traces are allowed after the inflow.

Standard thermoplastics PP and coloring concentrate are used for production according to customer requirements.



TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	SP 1000*1000*80/205
External dimension length x width	Metal scale Accuracy $\pm 0,1$ mm	mm	1000x1000
permissible deviation of external dimensions		mm	± 5
Thickness		mm	80
Thickness deviation		mm	$\pm 1,5$
Weight	Calibrated scales with Accuracy ± 1 g	kg	20,5
Weight deviation		g	± 500
Absorbency (100°C/d)	Internal	mg/cm ²	max. 8
Tensile Stress at Break	STN EN ISO 527-2 Test body B	MPa	min. 22
Tensile Elongation at Break		%	3,5 - 6,0
Tensile Modulus		MPa	min. 1250
Flexural Modulus	STN EN ISO 178	MPa	min. 1150
Bending strength		MPa	min. 25
Impact strength	STN EN ISO 179-1	kJ/m ²	min. 20
Determination of deflection temperature	STN EN ISO 75-2	°C	138 - 145
Melt flow index (230°C/2,16 kg)	STN EN ISO 1133	g/10 min	5 \pm 3
Recommended storage Ambient temperature / RH /	Internal	+ 5 until + 35°C/ 15 until 70%	