

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:

Board 20MM is made by injection molding technology from PP-based plastics. It is lightweight by the addition of a small amount of an inorganic blowing agent. Boards-plates can be joined together using thermal welding. The boards are designed as an auxiliary material for the production of various tanks and similar products.

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 or UV stabilizer are used for production According to customer requirements.



## TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	BOARD 20mm
External dimension length x width	Metal scale with Accuracy $\pm 0,1$ mm	mm	1000x1000
permissible deviation of external dimensions		mm	$\pm 10$
Allowed deflection		mm	7
Thickness	STN 4593	mm	20
Thickness deviation		mm	$\pm 1,5$
Weight	Calibrated scales with Accuracy $\pm 1$ g	kg	12,7
Weight deviation		g	$\pm 500$
Absorbency (100°C/d)	Internal	mg/cm <sup>2</sup>	max. 12
Tensile Stress at Break	STN EN ISO 527-2 Test body 1B	MPa	min. 18
Tensile Elongation at Break		%	$3 \pm 1,5$
Tensile Modulus		MPa	min. 600
Flexural Modulus	STN EN ISO 178	MPa	min. 1200
Impact strength	STN EN ISO 179-1	kJ/m <sup>2</sup>	min. 5
Melt flow index (230°C/2,16 kg)	STN EN ISO 1133	g/10 min	$8 \pm 3$
Recommended storage Ambient temperature / RH/	Internal	$+ 5$ až $+ 35^{\circ}\text{C}$ / $15$ až $70\%$	