

SIMONA



SIMONA® PVC-MZ-COLOR

High impact strength and excellent thermoforming properties

High-strength sheets for all purposes – SIMONA® PVC-MZ-COLOR



SIMONA® PVC-MZ-COLOR rigid PVC sheets combine the favourable properties of their predecessors SIMONA® PVC-MZ and SIMONA® PVC-TF in a single formula.

Owing to their high impact strength, proven chemical resistance and excellent formability, SIMONA® PVC-MZ-COLOR sheets are the perfect choice not only for tank and apparatus construction but also for applications in the field of structural, advertising and automotive engineering.

Excellent properties



- Excellent formability with consistent wall thickness
- High impact strength even at low temperatures
- UV stability for outdoor use
- Excellent chemical resistance
- Extensive range of colours and various sizes
- Low flammability in thicknesses from 1 to 4 mm (company estimate)

Versatile processing

- Welding
- Glueing
- Deep-drawing
- Hot forming
- Bending
- Cutting
- Drilling
- Milling
- Sawing
- Riveting
- Bolting
- Water-jet cutting
- Printing
- Backing/laminating
- Spray painting

Product range and properties SIMONA® PVC-MZ-COLOR

Product range SIMONA® PVC-MZ-COLOR

		2000 x 1000	3000 x 1500
Extruded sheets (thickness)			
	Light grey	1 to 30	1,5 to 12
	Black	1 to 8	1,5 to 6
	White	1 to 8	1,5 to 6
	Blue	1 to 8	1,5 to 6
	Yellow	1 to 8	1,5 to 6
	Red	1 to 8	1,5 to 6
Welding rods			
	Type	round (RD)	
	Thicknesses	3 to 4	
	Colour	light grey	
	Supplied as	1 m rods in 2 kg units	

Dimensions in mm.

Selection of sheets in various sizes and thicknesses available from stock.



+ Diversity

SIMONA® PVC-MZ-COLOR is suited to the following applications:

- Window trims
- Door elements
- Ridge caps
- Ceiling trims
- Façade elements
- Tank and apparatus construction
- Machine covers
- Signs
- Shop window design
- Bucket seats for public transport
- Thermoformed vehicle components

+ High impact strength

Owing to their high impact strength, SIMONA® PVC-MZ-COLOR sheets offer superior safety and reliability during machining and in the final application, even at low temperatures.

+ Excellent thermoforming properties

SIMONA® PVC-MZ-COLOR has outstanding processing qualities. It is particularly suited to production methods such as hot forming and extreme deep-drawing requirements.



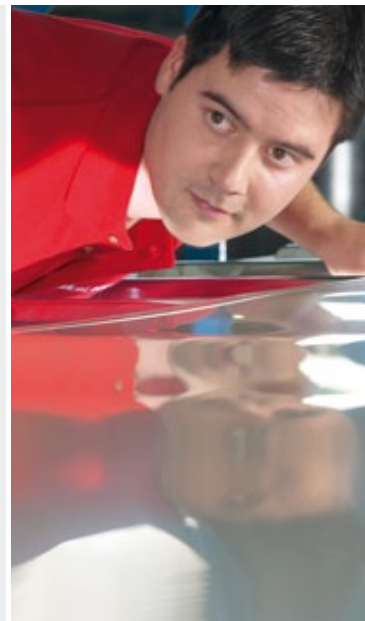
Material specifications

SIMONA® PVC-MZ-COLOR

Material specifications

	SIMONA® PVC-MZ-COLOR
Density, g/cm ³ , ISO 1183	1.420
Tensile modulus of elasticity, MPa, DIN EN ISO 527	3100
Yield stress, MPa, DIN EN ISO 527	55
Notched impact strength (at +20 °C), kJ/m ² , DIN EN ISO 179	8
Notched impact strength (at -20 °C), kJ/m ² , DIN EN ISO 179	4
Shore hardness D, ISO 868	82
Fire behaviour, DIN 4102	low flammability 1 to 4 mm*
Temperature range, °C	-20 to +60

* company estimate



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