

# Makrofol® DP 1243

## Description and Application Information

Makrofol® DP 1243 is an extruded Polycarbonate-Film filled with a light-scattering agent. It displays a smooth homogenous illumination of the front side of a backlit part even if a point source light is applied.

Applications: Automotive instrument panels, backlit displays.

Available in gauges 300µm and 500µm, surface: very fine matte/fine matte.

## Guide Data\*

Property	Value	Unit	Test Method
Density	1,2	g/cm <sup>3</sup>	ISO 1183, Method C, 20°C
Thickness	300, 500	µm	sim. to ISO 4593, 23°C
Gloss		Skt	ISO 2813
2-Surface	> 70		Angle 60°
4-Surface	< 60		reverse side printed black
Roughness R <sub>3z</sub>		µm	sim. to ISO 4288
2-Surface	≤5		Lm 12,5 mm, lc 2,5 mm
4-Surface	≤11		Average of 3 measurements
Lighttransmission		%	ISO 13468-2 light source C/2; O/D
300µm	76		
500µm	67		
Half Power Angle		°	sim. to DIN 58161
300µm	22		
500µm	37		

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Property	Value	Unit	Test Method
Tensile Strength	≥65	MPa	ISO 527-1,-3
Elongation	≥120	%	ISO 527-1,-3
Youngs Modulus	≥2200	MPa	ISO 527-1,-3

\*These values provide general information and are not part of the product specification

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Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses.

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