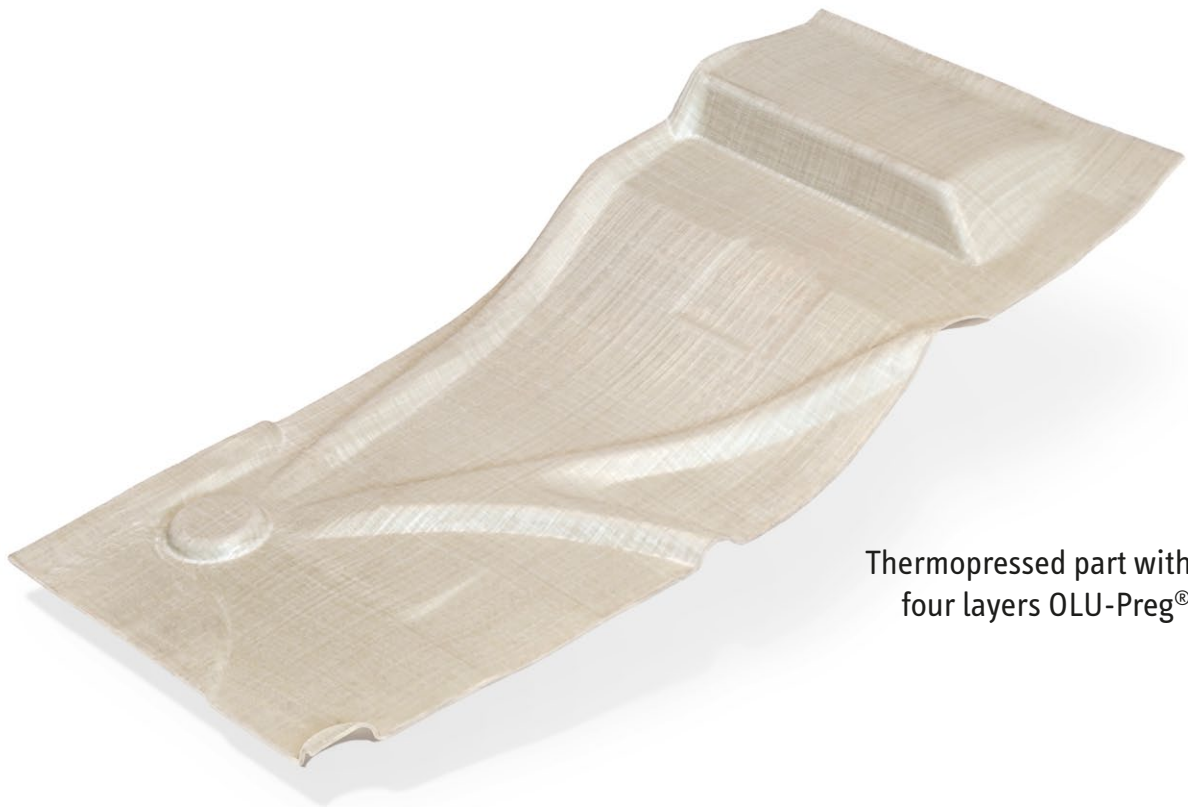


# SKM GmbH

Schergewebe Konfektion  
Moers GmbH

## OLU-Preg<sup>®</sup>

Multilayer Non-Crimp Fabrics Reinforced  
Thermoplastic Composite



Thermopressed part with  
four layers OLU-Preg<sup>®</sup>

R&D partnership



Gefördert durch:



Bundesministerium  
für Wirtschaft  
und Technologie

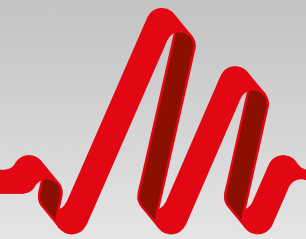
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## Material Data Sheet

OLU-Preg® GB 400-40-1.10  
Roving Glass - PP  
Thermoplastics - Composite

Characteristics		Units	0° Direction	90° Direction
<b>Material</b>				
Reinforcement	Fibres		Roving glass	
	Area weight	g/m <sup>2</sup>	400	
	Yarn	tex	300	300
	Weight ratio	%	50	50
Polymer			PP; textile structure	
Composite	Fibre content	vol%	40	
	Density	g/cm <sup>3</sup>	1,8	
	Thickness	mm	0,4	
	Mass per unit area	g/m <sup>2</sup>	625	
<b>Mechanical / Thermal</b>				
Tensile	Strength	MPa	330	330
	Modulus	GPa	17,5	17,5
	Elongation	%	2,5	2,5
Flexural (span-to-depth ratio 40:15, thickness 2mm)	Ultimate stress	MPa	300	300
	Modulus	GPa	17	17
	Elongation	%	1,8	1,8
Impact strength notched (Form C; -20°C)		kJ/m <sup>2</sup>	342	
Melting temperature		°C	165	

Release date 02/2013. This data sheet supersedes all previous editions, which thereby become invalid. The data listed refers to a specific composition only and were tested in accordance with DIN EN ISO. The mechanical characteristic values depend on many factors of material used and processing parameters. Any use of this information must be clarified with SKM GmbH. SKM GmbH does not assume any responsibility for any use of this information not clarified with SKM GmbH.

