

# Technical Data Sheet

## Tarecpur<sup>®</sup> 35

Polyurethane (PUR) Insulation



### General Technical Properties

Property	Test Method	Unit	Typical Value	
Density	EN ISO 845	kg/m <sup>3</sup>	35 ±2	
Thermal Conductivity	EN 12667 at +10°C		0,020	
	Initial	W/m K	0,025	
	Aged (25 weeks @ 70°C)	W/m K	Refer to DoP	
	EN14308 at +10°C	W/m K		
Color			Cream	
Closed Cell Content	EN ISO 4590 (meth. 1)	%	≥ 95	
Compression Behaviour	EN 826 at +23°C		<u>Strength</u>	<u>E-Modulus</u>
	Direction of Rise	kPa	190	6,0·10 <sup>3</sup>
	Cross-machine Direction	kPa	120	6,5·10 <sup>3</sup>
	Machine Direction	kPa	170	4,7·10 <sup>3</sup>
Tensile Behaviour	EN 1608 at +23°C		<u>Strength</u>	<u>E-Modulus</u>
	Direction of Rise	kPa	400	1,0·10 <sup>3</sup>
	Cross-machine Direction	kPa	300	0,9·10 <sup>3</sup>
	Machine Direction	kPa	370	1,1·10 <sup>3</sup>
Flexural Behaviour	EN 12089 at +23°C		<u>Strength</u>	<u>E-Modulus</u>
	Direction of Rise	kPa	430	6,0·10 <sup>3</sup>
	Cross-machine Direction	kPa	420	6,5·10 <sup>3</sup>
	Machine Direction	kPa	390	4,7·10 <sup>3</sup>
Shear Behaviour	EN 12090 at +23°C		<u>Strength</u>	<u>E-Modulus</u>
	Cross-machine Direction	kPa	200	1,7·10 <sup>3</sup>
	Machine Direction	kPa	160	1,8·10 <sup>3</sup>
Linear Dimensional Stability	EN 1604			
	+93°C for 24 hours	%	≤ 0,5	
	-30°C for 24 hours	%	≤ 1	
	+70°C and 95% RH for 48 hours	%	≤ 3	
Service Temperature Limits	Maximum	°C	+100	
	Minimum	°C	-50	
Water Absorption	ASTM D 2842 - Proc. B	vol. %	5	
Water Vapour Permeability	EN 12086	Ng/Pa.s.m	≤ 5,5	
Linear Expansion Coefficient	EN 13471	K <sup>-1</sup>	40-70 x 10 <sup>-6</sup>	

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