

 <b>KRAUS FOLIE</b> ul. Wojciecha z Brudzewa 44 62-800 Kalisz, Poland	<h1>Technical Data Sheet</h1>	Date of issue: 25.07.2024
 TUVNORD TUV NORD Polska <hr/> <b>ISO 9001</b> <hr/> tuv-nord.pl	 <b>Type: PCR85 WB</b>	Version: 1.1 Prepared by: Marcelina Plichta

**Application:** The film ELASTILEN® PCR85 WB designed for various protective applications. The material was made with post-consumer plastic waste. Share of renewable material not less than 85%.

**Guidelines for processing:** It is recommended to process the film (covering with glue) within no more than 3 months from the date of production. If the customer specifies such a requirement, the film is activated during production in a manner enabling the process of applying glue. However, due to the disappearance of activation over time, caused by many factors, the processor is required to check the activation level before starting the film processing. Activation with an unsatisfactory level should be refreshed with a crown activator. At the same time, make sure that the activation level is not too high.

**Seasoning:** At transport and storage of film at temperatures below 15° C it is recommended seasoning at temperatures above 20° C for at least 24 hours. In case of transport and storage at temperatures below 5° C is recommended to extend the seasoning to 48 hours. The compliance to above guidelines will guarantee the correct processing and maintenances of material parameters. Following these guidelines will ensure proper film conversion.

**Storage:** It is recommended to store the film away from the direct solar exposure, in the temperatures between 5°C and 35°C, in the dry and not-dusted place.

**Food contact:** The film does not meet the requirements for food contact approval.

## Technical parameters\*

No	Properties	Unit	Test method	Value		
				19 - 30 µm	31 - 80 µm	81 - 300 µm
1	Thickness tolerance	%	-	-10 / +10	-8 / +8	-5 / +5
2	Corona treatment	dyn	-	<b>min. 38</b>		
3	Yield	m <sup>2</sup> /kg	-	60 µm <b>17</b>		
4	Stress at break: - MD ( <i>machine direction</i> ) - TD ( <i>transverse direction</i> )	MPa	PN-EN ISO 527	<b>13,6</b> <b>19,4</b>		
5	Modulus of elasticity: - MD ( <i>machine direction</i> ) - TD ( <i>transverse direction</i> )	MPa	ISO 527-1 ISO 527-2	<b>255</b> <b>276</b>		
6	Elongation at break: - MD ( <i>machine direction</i> ) - TD ( <i>transverse direction</i> )	%	PN-EN ISO 527	<b>370</b> <b>610</b>		
7	Puncture resistance	N	OWN METHOD	<b>6,18</b>		
8	Tear strenght "pants" method: - MD ( <i>machine direction</i> ) - TD ( <i>transverse direction</i> )	N/mm	PN-EN ISO 6383-1	<b>66,49</b> <b>112,63</b>		

\* Tests performed for the black and white film with a thickness of 60 µm.

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