



To

L'ISOLANTE K-FLEX S.r.l.

Via Leonardo Da Vinci, 36

20040 RONCELLO (MB)

Date, November 22th, 2012
TR n° **553_{bis}/2012**
Ref. Your confirmation dated 13.09.2012

Received 18.09.2012

Start tests 21.09.2012

End tests 21.11.2012

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T E S T R E P O R T

Subject: PHYSICAL AND MECHANICAL TEST ON A SAMPLE OF ROLLED SHEED OF SOLID RUBBER

SAMPLE	k-Flex IN Clad	Test methods	
As received			
<u>Hardness</u>	Shore A3	91,6	ISO 48:2010
<u>Resistance to dynamic punching</u>		Resistant to Ø 20 mm puncher	UNI EN 12691:2006
<u>Tensile test</u>			
• Tensile strength	MPa	7,2	ISO 37:2011
• Elongation at break	%	290	
<u>Resistance to ozone exposure</u> (50 ppm, 40°C, 20% elong., 72 hours)		No visible cracks at 7X	ISO 1431-1:2012
<u>Colour fastness to artificial light</u> (1000 hours, 55 W/m ² , Daylight 300 filter, BST 65°C, cycle dry/wet 102/18)		Fastness equivalent to grade 3 of the grey scale	ISO 4892-2:2002

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T E S T R E P O R T

<u>SAMPLE</u>	<u>k-Flex IN Clad</u>		<u>Test method</u>
<u>After ageing in IRM 903, 70 hours at 23°C</u>			ISO 1817:2011
<u>Hardness</u>	Shore A ³	91,0	ISO 48:2010
• Change from original	Shore A ³	-0,6	
<u>Tensile test</u>			
• Tensile strength	MPa	6,5	ISO 37:2011
Change from original	%	-9,7	
• Elongation at break	%	248	
Change from original	%	-14,5	
<u>After ageing in FUEL B, 70 hours at 23°C</u>			ISO 1817:2011
<u>Hardness</u>	Shore A ³	80,8	ISO 48:2010
• variation	Shore A ³	-10,8	
<u>Tensile test</u>			
• Tensile strength	MPa	4,9	ISO 37:2011
Change from original	%	-31,9	
• Elongation at break	%	307	
Change from original	%	+5,9	
<u>After saline mist for 480 ore</u>			ASTM B 117/73:2011
<u>Tensile test</u>			
• Tensile strength	MPa	6,8	ISO 37:2011
Change from original	%	-5,6	
• Elongation at break	%	225	
Change from original	%	-22,4	

The sampling has been carried out by the Customer.

The contained results refer only to the tested sample.

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L. Lamboglia, **Operator**




F. Negroni, **Director**