

**IIR-1675**
**Butyl rubber**

 Management system is certified according to  
 ISO 9001 , OHSAS 18001 , ISO 14001 , ISO  
 50001

Manufacturer "Tolyattikauchuk" LLC., Novozavodskaya str. 8, Tolyatti, Samara region, 445007, Russia

Lot № 4120-0582

Quantity containers, pcs:

Net weight, t:

Date of manufacture / 13.05.2020

Indicator	Specification	Result	Testing method
Mooney viscosity UML 1+8 (125 °C) conditional units	average	52	ASTM D 1646 unmilled
	min-max	46 - 56	
Volatiles content, %, max	0,3	0,1	ASTM D5668 (method C)
Antioxidant CAS №6683-19-8, %	0,02 - 0,08	0,03	TY 2294-021-48158319-2012 п.5.5 / method of supplier
Unsaturation,%,mol.*	1,4 - 1,8	1,6	TY 2294-021-48158319-2012 п.5.4 / method of supplier
Ash content, %, max**	0,30	0,16	ASTM D5667 (part A)
Iron content, %, max**	0,010	0,001	TY 2294-021-48158319-2012 п.5.8 / method of supplier
Calcium stearate content,%, max*	1,2	0,6	TY 2294-021-48158319-2012 п.5.8 / method of supplier
pH water extract**	6,5 - 7,5	7,5	TY 2294-021-48158319-2012 п.5.9 / method of supplier
<b>The quality of rubber is evaluated in the standard recipe according to ASTM D3188 (method A)</b>			
Tensile strength at stretching, MPa, min***	13	18	ASTM D412
Relative elongation at break, %, min***	450	530	ASTM D412
Modulus 300%, MPa,min***	6	10	ASTM D412
<b>Rheometrical properties ("MDR 2000 Rheometer of Alpha Technologies")</b>			
Minimal torque (ML), dN·m***	2,7 - 3,7	3,4	ASTM D5289
Maximum torque (MH), dN·m***	13,0 - 18,5	16,5	ASTM D5289
Pre-vulcanization time (ts1), min***	1,7 - 3,4	2,3	ASTM D5289
50% curing time (t 50), min***	5,0 - 8,0	5,8	ASTM D5289
90% curing time (t 90), min***	16,5 - 22,5	18,9	ASTM D5289

 \* \* control is carried out in every 10th lot  
 \*\* control is carried out in every 50th lot  
 \*\*\* control of each 20th lot is carried out and guaranteed by producer.

The manufacturer guarantees compliance of the product with requirements of TY 2294 021 48158319 2012 modification № 1.2.3.4 assuming the consumer follows the transportation and storage guidelines

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Product quality ratings satisfy the requirements of TY  
2294 021 48158319 2012 modification №1.2.3.4

Guaranteed storage time is 2 years from the date of  
manufacture

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