

**SBR-1705 HI-AR, group 2**  
 Rubber synthetic butadiene-methylstyrene

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 № 1120-0150**

**Quantity containers, pcs: 10 Net weight, t: 12,6**

**Date of manufacture / 15.04.2020**

Indicator	Specification	Result	Testing method
Mooney viscosity MML 1+4 (100 °C), conditional units	<b>average</b>	50	milled rubber
	<b>min-max</b>	47 - 56	
Volatiles content, %, max	0,6	0,3	ASTM D 5668 (method C)
Antioxidant VS-1 content, %*	0,15 - 0,35	0,15	TY 2294-044-48158319-2010 п.5.4 / method of supplier
Ash content, %, max**	0,6	0,1	ASTM D5667 (part A)
Iron content, %, max**	0,005	0,001	GOST 19816.2-74
Organic acids content, %*	5,0 - 6,7	5,5	ASTM D 5774
Organic acid soaps content, %, max*	0,30	0,04	ASTM D 5774
Mass fraction of oil PN-6K, %*	14 - 17	15	ASTM D 5774
Alpha- Methul- Stirene content, %*	21 - 24	22	GOST 24654-81
Complex emulsifier acid number, mg/KOH	-	174	-
The quality of rubber is evaluated in the standard recipe according to ASTM D3185 (method A)			
Tensile strength at stretching, MPa, min*	21,0	23,8	ASTM D412
Modulus 300%, MPa,min*	9,8	14,1	ASTM D412
Relative elongation at break, %, min*	400 - 650	470	ASTM D412
Rheometrical properties ("MDR 2000 Rheometer of Alpha Technologies")			
Minimal torque (ML), dN·m*	1,60 - 3,60	2,10	GOST P 54547 / ASTM D5289
Maximum torque (MH), dN·m*	14,00 - 20,00	17,11	GOST P 54547 / ASTM D5289
Semicuring start time (ts1), min*	2,0 - 5,5	4,2	GOST P 54547 / ASTM D5289
50% curing time (ts 50), min*	7,0 - 11,0	9,0	GOST P 54547 / ASTM D5289
90% curing time (ts 90), min*	14,0 - 20,0	15,8	GOST P 54547 / ASTM D5289

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

Product quality ratings satisfy the requirements of TY 2294  
-044-48158319-2010 modification №1,2,3,4, group 2.



Authorized person signature: Kotova Ta.A.

The manufacturer guarantees compliance of the product with requirements of TY 2294-044-48158319-2010 modification №1,2,3,4 assuming the consumer follows the transportation and storage guidelines  
Guaranteed storage time is 1 year from the date of manufacture

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