

SBR-1723 TDAE

Rubber synthetic butadiene-methylstyrene

 ISO 9001, OHSAS 18001, ISO 14001, ISO 50001
 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 № 1219-0004
Quantity containers, pcs: 19 Net weight, t: 23,94
Date of manufacture / 13.11.2019

Indicator		Specification	Result	Testing method
Mooney viscosity MML 1+4 (100 °C), conditional units	average		53	milled rubber
	min-max	46 - 54	52 - 54	
Mooney viscosity inside a lot		8	2	TU 20.17.10-058-48158319-2016
Volatiles content, %, max		0,6	0,2	TY 20.17.10-058-48158319-2016 (на основе метода ASTM D 5668, метод C/method C)
Antioxidant VS-1 content, %		0,3 - 0,7	0,5	TY 20.17.10-058-48158319-2016 п.5.3 /method of supplier
Ash content, %, max**		0,6	0,1	TY 20.17.10-058-48158319-2016 (ASTM D 5668, C/method C)
Organic acids content, %		4,2 - 5,8	4,3	TY 20.17.10-058-48158319-2016 (на основе метода ASTM D 5774)
Organic acid soaps content, %, max		0,3	0,1	Method ASTM D 5774
Oil TDAE mass fraction, %		26 - 29	26	Method ASTM D 5774
Alpha- Methul- Stirene content, %		22 - 25	23	GOST 24654-81
Complex emulsifier acid number, mg/KOH		-	174	TY 20.17.10-058-48158319-2016
The quality of rubber is evaluated in the standard recipe according to ASTM D3185 (method A)				
Tensile strength at stretching, MPa*		-	22,3	TY 20.17.10-058-48158319-2016 (Method ASTM D 412)
Conditional stress at 300% elongation, MPa*		-	14,6	TY 20.17.10-058-48158319-2016 (Method ASTM D 412)
Relative elongation at break,%*		-	440	TY 20.17.10-058-48158319-2016 (Method ASTM D 412)
Rheometrical properties ("MDR 2000 Rheometer of Alpha Technologies")				
Minimal torque (ML), dN·m*		-	2,25	TY 20.17.10-058-48158319-2016 (Method ASTM D 5289)
Maximum torque (MH), dN·m*		-	15,35	TY 20.17.10-058-48158319-2016 (Method ASTM D 5289)
Semicuring start time (ts1), min*		-	4,8	TY 20.17.10-058-48158319-2016 (Method ASTM D 5289)
50% curing time (ts 50), min*		-	8,8	TY 20.17.10-058-48158319-2016 (Method ASTM D 5289)
90% curing time (ts 90), min*		-	16,5	TY 20.17.10-058-48158319-2016 (Method ASTM D 5289)

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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 20.17.10-058-48158319-2016



Authorized person signature: Kotova Ta.A.

The manufacturer guarantees compliance of the product with requirements of TY 20.17.10-058-48158319 -2016 assuming the consumer follows the transportation and storage guidelines
Guaranteed storage time is 1 year from the date of manufacture

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Technical support service

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