



## SPECIFICATION ISOPRENE RUBBER (IR)

Property	Group 1	Group 2	Group 1	Group 2
	SKI-3		SKI-3S	
Mooney Viscosity, ML 1+4 (100 °C)	75-85	65-74	80-120	56-68
Viscosity spread in one lot	8	8	24.0 (245)	23.5 (240)
Plasticity	0.30-0.35	0.36-0.41	425	450
Plasticity spread in one lot	0.05	0.05	34	34
Elasticity reduction after plasticity test, mm max	1.8	1.7	0.6	0.6
Tensile strength, Mpa (kg/cm <sup>2</sup> ), min at 23°C at 100°C	30.4(310) 21.6(220)	30.4(310) 21.6(220)	1,0-1,5 0,5-1,2	1,0-1,5 0,5-1,2
Ultimate elongation, % min	800	800	4.5	4.5
Ash mass content, %, max	0.5	0.5	0.4	
Metals mass content, % max copper	0.0001 0.004 0.06	0.0001 0.004 0.06	0.003 0.05	
Loss of mass at drying, % max	0.6	0.6		
Stearic acid mass content, %	0.6-1.4	0.6-1.4		
Antioxidant mass content, % Dusantox L Flexzone 11L Agidol-1 Agidol-2	0.2 0.2	0.2 0.2	0.5-1.3 0.2-0.6	
Drying loss, % max			1.2	
Ash by weight, %, max			0.35	

### APPLICATION

**SKI-3:** It is synthetic isoprene rubber with cis-1,4 chains content of at least 96%. It can be used independently or in composition with other rubber for production of tyres, different kinds of rubber technical articles, rubber footwear, sports equipment, bitumen mastics and water repellent mixtures.



Property	Value
Mooney Viscosity, ML 1+4 (100 °C)	72±4
Plasticity	0.36±0.03
Elastic recovery after plasticity, mm, max	1.6
Ultimate elongation, %, min	800
Tensile strength, Mpa, (kgF/cm <sup>2</sup> ), min at 23°C at 100°C	31.4(320) 23.5(240)
Modules at 500% elongation, Mpa, min	1.6-2.3 (16.3-23.4)
Metals mass content, %, max copper iron titanium	0.0001 0.004 0.06
Loss of mass at drying at 105°C, % max	0.6
Stearic acid mass content, %	0.6-1.4
Antioxidant mass content, % DPPD C-789 VTS-60	0.20-0.30 0.40-0.70 0.20-0.40
Get fraction mass content, %, max	7

## PACKAGE

Polyethylene film, paper bags, wooden and metal pallet boxes.