



RUBBERS CATALOGUE

Synthetic & Isoprene Rubber Grades

IR · BIIR · CIIR · NBR · IIR · BR

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1. Rolled Grade A

IR — Isoprene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result
Mooney Viscosity ML 1+4 (100°C)	48–71	60
Batch-to-batch viscosity variation, max	8	6
Plasticity	0.30–0.35	0.30
Elastic recovery after plasticity test, mm, max	1.8	1.5
Tensile strength, MPa (kgf/cm ²), min at 23°C	30.4 (310)	30.4 (310)
Elongation at break, %, min	800	850
Ash content, %, max	0.5	0.3
Metal content, % max — Copper	0.0001	0
Metal content, % max — Iron	0.004	0.003
Metal content, % max — Titanium	0.06	0.4
Loss on drying, %, max	0.6	0.5
Stearic acid content, %	0.6–1.4	0.9

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from gray to dark brown
Briquette weight	(30 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transport by any means

2. Rolled Grade K

BIIR — Brominated Isobutylene–Isoprene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result	Method
Mooney Viscosity MML 1+8 (125°C)	43–50	46.6	TU 20.17.10-003-12987388-2025
Bromine content, %	1.5–2.2	2.0	TU 20.17.10-003-12987388-2025
Batch-to-batch Mooney viscosity variation	≤6	2	TU 20.17.10-003-12987388-2025
Loss on drying, %	≤0.7	0.2	TU 20.17.10-003-12987388-2025
Total ash content, %	≤0.7	0.2	TU 20.17.10-003-12987388-2025
Antioxidant content, %	0.5	0.05	TU 20.17.10-003-12987388-2025

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from white to beige
Briquette weight	(20 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transportation by any means

3. Rolled Grade K

CIIR — Chlorinated Isobutylene–Isoprene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result	Method
Mooney Viscosity MML 1+8 (125°C)	34–44	43.6	TU 20.17.10-003-12987388-2025
Chlorine content, %	1.1–1.4	2.0	TU 20.17.10-003-12987388-2025
Batch-to-batch Mooney viscosity variation	≤6	2	TU 20.17.10-003-12987388-2025
Loss on drying, %	≤0.7	0.2	TU 20.17.10-003-12987388-2025
Total ash content, %	≤0.5	0.2	TU 20.17.10-003-12987388-2025
Antioxidant content, %	0.05	0.05	TU 20.17.10-003-12987388-2025

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from white to beige
Briquette weight	(20 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transportation by any means

4. Rolled Grade V

NBR — Nitrile Butadiene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result	Method
Mooney Viscosity ML 1+4 (100°C)	50–65	55	GOST R 54552-2011
Volatile matter content, %	≤0.8	0.6	GOST ISO 248-96
Ash content, %	≤0.5	0.5	GOST ISO 247-1-2021 (Method C)
Tensile strength, MPa*	≥23.5	25	GOST 270-75
Elongation at break, %*	≥450	460	GOST 270-75

* Testing conditions per GOST 270-75 — measurement conditions: 145 °C × 35 min.

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from white to dark beige
Briquette weight	(20 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transport by any means

5. Rolled Grade K

IIR — Isobutene–Isoprene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result	Method
Mooney Viscosity MML 1+8 (125°C)	46–56	51.6	TU 20.17.10-003-12987388-2025
Batch-to-batch Mooney viscosity variation	≤ 6	3	TU 20.17.10-003-12987388-2025
Loss on drying, %	≤ 0.3	0.2	TU 20.17.10-003-12987388-2025
Ash content, %	≥ 0.3	0.2	TU 20.17.10-003-12987388-2025

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from white to beige
Briquette weight	(20 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transportation by any means

6. Rolled Grade B

BR — Butadiene Rubber

TECHNICAL SPECIFICATIONS

Analysis	Limit	Result
Mooney Viscosity ML 1+4 (100°C)	46–50	50
Plasticity	0.30–0.35	0.35
Plasticity variation within a batch, max	0.05	0
Elastic recovery after plasticity test, mm, max	1.8	1.5
Stress at 300% elongation, MPa, min	7.5	8
Volatile matter content, %, max	0.8	0.5
Ash content, %, max	0.3	0.1
Metal content, % max — Copper	0.0002	0
Metal content, % max — Iron	0.004	0.001

PRODUCT CHARACTERISTICS

Appearance	Briquette ranging in color from white to dark beige
Briquette weight	(30 ± 1) kg
Packaging	Wooden container / Plastic container
Storage Warranty Period	1 year from the date of manufacture
Transportation	Suitable for transport by any means