GLOBUS

GLOBUS RUBCHEM (P) LTD.

The Globus Rubchem Group was established in 1998. We are one of the largest importers & suppliers of Synthetic Rubber & Specialty Rubber Chemicals in India. With our offices strategically located close to the 3 major ports in India, we have a dedicated supply-chain network to support & supply customers across India.

OUR LOCATIONS

MISSION To create a sustainable growth pattern for all entities involved, so together we win!

VISION To become a pioneer supplier of quality raw materials to the customers.

VALUES Trust and Synergy are the basis of our client relationship management.

PRODUCT PORTFOLIO

GRADE TYPES AVAILABLE → PRIME GRADES | NEAR-PRIME GRADES | OFF-SPEC GRADES

Applications:
Medical products, High Voltage Insulators, Cookware, Electronics, Industrial Rolls, Spark Plugs, etc.

Make:
HOSHINE SILICON

Applications:
Hoses, Gaskets, Conveyor Belts, Shoe soles, Vibration Dampers, Applications requiring Oil resistance, etc.

Make:
SIBUR (Russia)

Applications:
O-rings, seals, gaskets, & hoses in critical applications for the automotive, aerospace, and petrochemical industries, etc.

Make:
CHR Fasol

Applications:
Conveyor Belts, Automotive, Hoses, Gaskets, Window Seals, Weatherstripping, Sponges, TPV, etc.

Make:
DOW

Applications:
Gaskets, Cable Jackets, Tubings, O-rings, Adhesives, Wet Suits, Gasoline Hoses, Tire-Sidewalls, etc.

Make:
Changshou

Applications:
Hoses, LPG Tubing, Auto Parts, Gaskets, Oil Seals, Shoe Soles, Textile Cots, Aprons, Industrial Textile and Printing Rolls

Make:
SIBUR (Russia)

SUPPLIER PORTFOLIO

At **Globus Rubchem (P) Ltd.**, we focus on sourcing from only trusted suppliers to ensure the raw materials are of high quality & have consistency throughout. We believe in creating a win-win situation by providing the best service to our customers, while helping them throughout their customer journey.

We provide customized solution to our customers by connecting them directly with our principals in order to ensure a custom-fit solution for them.

HOSHINE
SILICONE RUBBER

CERTIFICATE/ APPROVALS → ROHS CERTIFIED | REACH CERTIFIED | FDA APPROVED

GENERAL PURPOSE

Grade	Hardness (Shore A)	Tensile Strength (Mpa) ≥	Tear Strength (kN/m) ≥	Elongation (%) ≥	Rebound (%) ≥
HS-3431	28-32	5.5	13	450	66
HS-3441	38-42	7.5	16	400	54
HS-3451	48-52	7.5	17	350	55
HS-3461	58-62	7.5	17	300	48
HS-3471	68-72	6.5	16	250	45
HS-3481	78-82	6	16	150	42

HIGH TRANSPARENT, TEAR, & TENSILE

Grade	Hardness (Shore A)	Tensile Strength (Mpa) ≥	Tear Strength (kN/m) ≥	Elongation (%) ≥	Rebound (%) ≥
HS-5242G	38-42	9.5	26	800	55
HS-5252G	48-52	9.5	35	700	55
HS-5262G	58-62	9.5	40	600	52
HS-5272G	68-72	9.5	40	500	45
HS-5282G	78-82	9	40	400	45

HIGH VOLTAGE ELECTRICAL INSULATOR

Grade	Hardness (Shore A)	Tensile Strength (Mpa) ≥	Tear Strength (kN/m) ≥	Elongation (%) ≥	Rebound (%) ≥
HS-0551	48-52	4.5	13	320	60
HS-0561	58-62	4.8	13	260	60
HS-0571	68-72	4.8	13	180	50
HS-0552	48-52	5	14	350	60
HS-0562	58-62	5.5	14	300	60
HS-0572	68-72	5.5	14	220	50
HS-0553	48-52	5.5	16	350	60
HS-0563	58-62	6	16	300	60
HS-0573	68-72	6	16	220	50

HIGH TRANSPARENT

Grade	Hardness (Shore A)	Tensile Strength (Mpa) ≥	Tear Strength (kN/m) ≥	Elongation (%) ≥	Rebound (%) ≥
HS-5340	38-42	9.2	25	609	60
HS-5350	48-52	9.8	26	515	56
HS-5360	58-62	10.4	29	434	51
HS-5370	68-72	11.9	30	340	56
HS-5380	78-82	9.6	34	329	52

CONCENTRATE ON THE SILICONE BASED MATERIALS TO CREATE A WONDERFUL LIFE

OTHER AVAILABLE GRADES

Liquid Silicone Rubber	Fast Curing Silicone	Fire Resistant Silicone
Self-lubricating Silicone	Easy Adhesive Silicone	Heat Resistant Silicone

SIBUR
NBR/NBR-PVC

Consistent quality & supply to suit with applications for every product

CERTIFICATE/ APPROVALS → CLP CERTIFIED | REACH CERTIFIED | FDA APPROVED

	GRADE TYPE	GRADE	Mooney Viscosity ML (1+4) 100° C	ACN Content %	CHARACTERISTICS	ADVANTAGES
STANDARD GRADES	LOW NITRILE	NBR 1845	45 ± 3	17 - 20	Great combination of low temperature resistance and elasticity. Medium oil and fuel resistance. Operating temperature range: -60 °C to +120 °C	IMPACT MODIFIER, OIL & GREASE RESISTANCE, EASY PROCESSING, CREASING RESISTANCE
		NBR 1865	65 ± 3	17 - 20		
		NBR 2645	45 ± 3	27 - 30		
		NBR 2665	65 ± 3	27 - 30		
	MEDIUM NITRILE	NBR 3345	45 ± 3	31 - 35	Maintains the balance between low temperature & oil resistance. Excellent oil and fuel, water, abrasion, heat resistance. Operating temperature range: -20 °C to +120 °C	
		NBR 3365	65 ± 3	31 - 35		
	HIGH NITRILE	NBR 4045	45 ± 3	36 - 40	Highest oil and fuel, abrasion, heat resistance. Operating temperature range: -10 °C to +120 °C.	
		NBR 4065	65 ± 3	36 - 40		
	NITRILE FAST CURING	NBR 3345 FC	45 ± 3	31 - 35	NBR Fast Curing tailored for injection molding applications. Improves the performance of injection molding equipment, reduces mold fouling & wear.	IMPACT MODIFIER, OIL & GREASE RESISTANCE, EASY PROCESSING, CREASING RESISTANCE
	NBR:PVC	NBR26PVC30 GROUP 1	50 - 65	28 - 32	Exceptional resistance to ozone, adverse weather conditions & aggressive environments. Requires less energy for processing than mechanical blends.	IMPACT MODIFIER, OIL & GREASE RESISTANCE, EASY PROCESSING, CREASING RESISTANCE
		NBR26PVC30 GROUP 2	66 - 80	27 - 30		

CHR - FASOL
FLUOROELASTOMER (FKM)

CERTIFICATE/ APPROVALS → ROHS CERTIFIED | REACH CERTIFIED | FDA APPROVED

Polymer Grade	Fluorine (%)	ML1=10 @121°C	Shore A	Tensile Strength Mpa	Elongation (%)	Specific Gravity	Compression Set 175°C	Compression Set 200°C	TR-10 (°C)	Applications
Bisphenol Cured Copolymers										
A2002	66	22	80	13.5	196	1.85	17	20	-17	Orings, Gaskets, parts for injection molding
A2003S	66	21	78	13.3	309	1.84	14	15	-17	Orings, Gaskets, parts for injection molding
A3061A	66	36	76	13.7	261	1.85	12	17	-17	Oil-Seal, parts bonding with metal
A4001	66	49	80	15.7	236	1.85	07	10	-17	Small size Orings better for compres molding
A4006	66	45	80	13.5	195	1.85	12	16	-17	Big size Orings better for compres molding
A6001	66	64	76	16.1	233	1.85	09	10	-17	Orings, Gaskets, parts for compress molding
A6002A	66	63	76	15.3	250	1.85	10	13	-17	Oil-Seal, parts bonding with metal
B6001	68.5	62	81	14.7	274	1.91	13	15	-13	Orings, Gaskets, parts for injection molding
B6002A	68.5	63	78	13.3	367	1.90	31	35	-13	Oil-Seal, parts bonding with metal
Bisphenol Cured Terpolymers for Low Temperature										
LT4001	66	45	77	15.5	271	1.85	11	13	-19	Orings, Gaskets, parts for low temperature

CHANGSHOU
CHLOROPRENE (CR)

TYPES/ GRADES

MOULDING GRADE

ADHESIVE GRADE

SULPHUR MODIFIED

CR 232 SERIES
MOULDING GRADE

	CR 232-1	CR 232-2	CR 232-3	Applications
Mooney Viscosity	35-45	46-55	According to customer needs	For making light coloured rubber products, such as seals, dust covers, rubber rollers, liners, rubber dams and hoses outer sheath, etc.
Mooney Scorch	11	11	11	
Tensile Strength	12	12	12	
Modulus at 500%	1 - 5	1 - 5	1 - 5	
Elongation at break %	750	750	750	
Volatile matter %	1.5	1.5	1.5	
Ash Content %	1.5	1.5	1.5	

CR 244 SERIES
ADHESIVE GRADE

	CR 244-2	CR 244-3	CR 244-4	CR 244-HVA	Application
Viscosity in 5% toulene solution, mPa.s	35 - 53	54 - 75	76 - 115	116 - 140	For making Chloroprene adhesives. The chloroprene adhesives are used for bonding and self adhesion between rubber, leather, fiber, metal, wood and cement products, etc.
Peel Strength N/cm≥	90	90	90	90	
Volatile, % ≤	1.5	1.5	1.5	1.5	
Ash, % ≤	1.5	1.5	1.5	1.5	

CR 121 SERIES
SULPHUR MODIFIED GRADE

	CR 121-1	CR 121-2	Description	Application
Mooney Viscosity	30-45	46-60	A sulfur-modified polychloroprene rubber with medium crystallization rate. The density is 1.23. It has good resistance to tear and flexure. **It is similar to Du Pont's neoprene and Denka's PM-40**	For making rubber products such as conveyor belts, v belts, timing belts and cable sheath, etc.
Mooney Scorch	30	30		
Tensile Strength	24	24		
Modulus at 500%	1 - 5	1 - 5		
Elongation at break %	900	900		
Volatile matter %	1.5	1.5		
Ash Content %	1.3	1.3		

DOW
EPDM RUBBER

High-quality provides improved yield, scrap reduction, & polymer cleanliness

CERTIFICATE/ APPROVALS → ROHS CERTIFIED | REACH CERTIFIED | FDA APPROVED

Product Grade	Mooney Viscosity ML (1+4) at 125°C	Ethylene, Mass (%)	ENB, Mass (%)	Applications
643	40	55	1.8	Blends with butyl rubber in inner tubes, peroxide-cured belts, molded goods, conveyor belts
570	70	50	4.9	Extrusions, automotive and general purpose hose, profile gaskets, weatherstripping
644	40	55	4.9	Molded automotive and industrial parts, hose and tubing, weatherstripping, belts
565	65	50	7.5	Weatherstripping, extruded profiles, metal carriers,and foaming materials
764P	60	67	4.9	Extrusions, automotive and general purpose hose, profile gaskets, weatherstripping
774P	70	70	4.9	Automotive and general purpose hose, extruded profiles, glass run channel, low voltage wire and cable jacketing, thermoplastic vulcanizate (TPV)

NEAR-PRIME

NBR | EPDM | CR | SBR | OTHERS

BENEFITS OVER PRIME GRADES

- MUCH LOWER COST
- LOW ROLL RESISTANCE
- EXCELLENT FLEXIBILITY

We also offer a range of **Near-Prime Grades** to our customers who are looking for **COST SAVINGS**.

What are Near-Prime grades?

Near-Prime Grades have **near properties** to their prime grades. The material is of optimum quality, but the differences arise slightly in **mooney, viscosity, or colour.**

NEAR-PRIME PRODUCTS WE CAN OFFER:

NBR : Low, Medium, & High Nitrile

EPDM : Low / High - ENB, Ethylene, Mooney;
Packaging - Bales, Pellets, or Massed

CR : Moulding & Adhesive Grades;
Form - Chips, Ropes, Lumps, Gitti, etc.

SBR : ESBR & SSBR Grades

**Other Products - PBR, IIR, Butyl

NBR COMPARISON CHART

	Make	Grade	ACN (Nitrile) content (%)	Mooney Viscosity 1+4 (100ºC)	Tensile Strength, Mpa, min	Elongation at break % min	Volatile Matter, %max	Ash Content, %max
GLOBUS RUBCHEM	Sibur	3345	33	45	22.5	450	0.8	0.5
	Paracril	3350	33	50	23.5	480	0.4	0.3
OTHER GRADES	Perbunan	3445F	34	45	24.2	510	0.7	0.8
	Kumho	KNB 35L	35	40	21.6	420	0.5	0.8
	JSR	N230 SL	35	42	20.2	420	0.7	0.8
	Apcotex	N745	33	42	21.0	450	0.7	1.0

CR COMPARISON CHART

		GLOBUS RUBCHEM	OTHER GRADES			
Grade type	Mooney Viscosity	Changshou	Dupont	Denka	Lanxess	Tosoh Skyprene
Sulphur Modified Grade	30 - 45	CR 121-1	GNA	PM-40	611	R-22
	46 - 60	CR 121-2			711	
Moulding Grade	35 - 45	CR 232-1	WM 1	M-30	211	B-31
	46 - 55	CR 232-2	W	M-40	210	B-30
Adhesive Grade	35 - 53	CR 244-2	AD-20	A-90	320	G40S
	54 - 75	CR 244-3	AD-30	A-100	330	G40T
	76 - 115	CR 244-4	AD-40	A-120	340	

EPDM COMPARISON CHART

	GLOBUS RUBCHEM	OTHER GRADES						
EPDM MAKE	DOW (3-series)	DOW (4-series)	Kumho KEP	Keltan	Mitsui	Vistalon	Sumitomo Esprene
Non-Oil Grades (Mooney, Ethylene, ENB%)	643 (40, 60, 1.7)	3640 (40, 60, 1.7)	430H (43, 57, 1.6)	3250 (33, 55, 2.3)	2060M (40, 55, 2.3)	N/A -	N/A -
	570 (70, 50, 4.9)	4570 (70, 50, 4.9)	270 (79, 57, 4.5)	8550C (80, 48, 5.5)	3110 (78, 56, 5.0)	6602 (80, 55, 5.2)	502 (62, 56, 4.0)
	644 (40, 60, 4.9)	4640 (40, 60, 4.9)	240 (42, 57, 4.5)	4450 (46, 52, 4.3)	3070 (47, 58, 4.7)	N/A -	501A (44,52, 4.0)
	565 (45, 50, 7.5)	5565 (45, 50, 7.5)	350 (56, 50, 7.9)	6850Q (60, 53, 8.0)	4070 (47, 56, 8.1)	7700 (83, 55, 7.0)	505A (47, 50, 9.5)
	764P (60, 70, 4.9)	4760 (60, 70, 4.9)	570P (53, 70, 4.5)	6470P (63, 64, 4.8)	3092PM (61, 65, 4.6)	7001 (60, 73, 5.0)	N/A -
	774P (70, 70, 4.9)	4770 (70, 70, 4.9)	570P (53, 70, 4.5)	7470Q (70, 67, 4.7)	3092PM (61, 65, 4.6)	5601 (72, 69, 5.1)	512F (66, 65, 4.0)
Oil Grades (Mooney, Ethylene, ENB%, Oil phr)	XUS 51111 (55, 65, 4.5, 75)	960 (49, 70, 5.7, 50)	980 (57, 64, 4.5, 67)	4577 (46, 65, 5.1, 75)	5469 (52, 58, 4.5, 100)	3072EM (51, 64, 5.4, 40)	3666 (52, 64, 4.5, 75)	603 (58, 64, 4.5, 40)	6101 (52, 70, 6.5, 70)

TOGETHER, WE WIN

We value our partnership with both our customers as well as our suppliers. We make sure to combine sustainable quality along with competitive prices to meet the needs of our customer.

- Better Performance
- Competitive Pricing
- Continuous Supply
- Superior Quality

GLOBUS

GLOBUS RUBCHEM (P) LTD.

TOGETHER, WE WIN

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