

| 优 Excellent 良 Good 适 Suitable 差 Poor 劣 Unacceptable | | | | | | | | | | | |
|---|-----------------------------|--|-------------------------------|------------------------------|---|--|---------------------------------|----------------------------|-------------------------------------|-----------------------------------|--|
| Properties \ Rubber | 天然橡胶 Natural Rubber (NR) | 丁苯橡胶 Styrene Butadiene Rubber (SBR) | 顺丁橡胶 Butadiene Rubber (BR) | 丁腈橡胶 Nitrile Rubber (NBR) | 乙丙橡胶 Ethylene-Propylene Diene Monomer (EPDM) | 丁基橡胶 Butyl Rubber (Isobutylene Isoprene Rubber) (IIR) | 氯丁橡胶 Chloroprene Rubber (CR) | 硅橡胶 Silicone Rubber (Q) | 丙烯酸酯橡胶 Polyacrylate Rubber (ACM) | 氟素橡胶 Fluorocarbon Rubber (FKM) | 氟素硅橡胶 Fluoro-silicone Rubber (FVMQ) |
| ASTM代码/ASTM2000/SAE J200 TYPE CLASS | AA | AA | AA, BA | BF, BG, BK, CH | AA, BA, CA, DA | AA | BC, BE | FC, FE, GE | DF, DH | HK | FK |
| 硬度范围/Hardness Range (Shore A) | 25-90 | 30-90 | 30-90 | 25-95 | 25-95 | 20-75 | 20-95 | 18-80 | 40-90 | 60-90 | 60-80 |
| 耐候性/Weather Resistance | | | | | | | | | | | |
| 耐臭氧/Ozone Resistance | | | | | | | | | | | |
| 耐热/Heat Resistance | | | | | | | | | | | |
| 耐寒/Low Temperature Resistance | | | | | | | | | | | |
| 耐酸/Acid Resistance | | | | | | | | | | | |
| 耐碱/Alkali Resistance | | | | | | | | | | | |
| 耐矿物油/Resistance to Mineral Oil | | | | | | | | | | | |
| 耐植物油/Resistance to Vegetable Oil | | | | | | | | | | | |
| 耐磨/Abrasion Resistance | | | | | | | | | | | |
| 耐撕裂/Tear Resistance | | | | | | | | | | | |
| 机械强度/Strength Properties | | | | | | | | | | | |
| 永久压缩变形/Compression Set | | | | | | | | | | | |
| 撞击/Impact Resilience | | | | | | | | | | | |
| 气密性/Gas Barrier Properties | | | | | | | | | | | |
| 耐燃性/Flame Resistance | | | | | | | | | | | |
| 电绝缘性/Electrical Properties | | | | | | | | | | | |
| 色泽稳定性/Color Stability | | | | | | | | | | | |
| 粘着性/Tackiness | | | | | | | | | | | |
| 加工性能/Processability | | | | | | | | | | | |
| 耐水性/Water Resistance | | | | | | | | | | | |

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| 主要特点/Features | 弹性好、拉伸度高、伸延性好 Excellent elasticity, strong tensile strength, good elongation. | 较天然胶耐磨、弹性好、低温性良好 Abrasion resistance is better than natural rubber. Good elasticity. Good low temperature properties. | 耐磨性好、弹性较好、低温性好 Good abrasion resistance Good elasticity Good low temperature resistance | 耐油。耐液体燃料、气密性好 Good oil resistance Good liquid fuel resistance Good gas barrier properties | 耐热、耐候、电绝缘性优异、耐化学稳定性、耐臭氧 Good heat, weather, ozone resistance Excellent electrical properties Good chemical resistance | 化学稳定性优异、电绝缘性、气密性好、耐水性、吸震性好 Good chemical resistance Good chemical properties Good gas barrier properties | 耐热、耐候、耐臭氧、耐油、阻燃性好、粘性好 Good heat, weather, ozone resistance, Good chemical properties, Good flame retardance, Good tackiness | 耐高低温、耐老化、绝缘性好、色泽稳定 Good high/low temperature, Aging resistance, Good electrical properties, Color stability | 在高温下耐燃料油，耐润滑油 Heat lubeating oil fuel resistance | 耐高温、耐油、耐化学品、阻燃、低温性与弹性较差 High temperature resistance, Oil resistance, Chemical products resistance | 耐高、低温、耐油、溶剂、耐汽油 High and low temperature resistance, Oil and solvent resistance, Petrol resistance |
| 主要用途/Application | 轮胎、工业制品、胶鞋、胶管、胶带 Tire, Industrial product, Sole of shoes, Rubber tube, Rubber belt | 轮胎、工业制品、胶鞋、胶管、胶带 Tire, Industrial product, Sole of shoes, Rubber tube, Rubber belt | 轮胎、工业制品、胶鞋、胶管、弹性玩具球 Tire, Industrial product, Sole of shoes, Rubber tube, Toys of elastic ball | O型圈、防水垫、防油密封件、工业制品、胶辊 O-ring, Water-proof gaskets, Oil seals, Industrial products, Rubber roller | 汽车工业、电线电缆工业、建筑和防水材料、工业制品 Automation accessories, Cable & Wires, Contracting & construction, Industrial products | 内胎、球胆、防水建材、电气制品、防震马达套，药瓶塞 Tire, Inner tube, Rubber bladder, Water-proof building, Electrical accessories, Vibration resistance | 工业制品、胶粘剂、防腐衬里、桥梁支座耐热传输带 Industrial products, Rubber glue, Rotten resistance lining, Bearing block of bridge, Heat resistance of conveyer belt | O型圈、垫片、密封件绝缘制品、奶嘴、汽车配件 O-ring, Gaskets, Seals, Insulation products, rubber nipple, Automation accessories | O型圈、垫片、密封件发动机配件 O-ring, Gasket, Seal Engine accessories | O型圈、垫片、橡胶、配件、油封、橡胶密封件 O-rings, Gaskets, Rubber parts, Oil seals | O型圈、垫片、橡胶密封圈 O-rings, Gaskets, Rubber seals |

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