The difference of butyl rubber and butadiene styrene rubber?

Butyl rubber sheets is a kind of synthetic rubber which is a copolymer of isobutylene and a small amount of isoprene copolymer, short for IIR. Butyl rubber sheeting has good chemical stability and thermal stability, the most prominent character is the air tightness and water tightness. Its air transmittance is only about 1/7 of the natural rubber, 1/5 of the styrene-butadiene rubber. Meanwhile its transmittance of steam is 1/200 of the natural rubber, and 1/140 of the styrene-butadiene rubber. Thus IIR is mainly used in the manufacture of tires, inner tubes, steam pipe, water dam and bottom gasket and other rubber products. Styrene-butadiene rubber (SBR) is one of the biggest general synthetic rubber varieties, and is also among the first rubber to realize industrialization production. Styrene butadiene rubber sheet is a random copolymer of butadiene and styrene. Its physical performance, processing performance and product performance is close to those of natural rubber sheets, and some properties such as wear resistance, heat resistance, ageing resistance and curing rate are more excellent than natural rubber sheeting, SBR can be used with a variety of natural rubber sheets and synthetic rubbers, widely applied to tires, tape, rubber hose, wire and cable, medical instruments and various kinds of rubber products production and other fields.