

Technical Data Sheet

Product: SBR-1502

Description

SBR-1502 is non-polluting, non-oil-filled Styrene butadiene rubber, light in color, it has good tensile strength, abrasion resistance and flex.

Application

It is widely used in the bright colors and light-colored rubber products, such as the tire sidewall, transparent shoes, blankets, medical products, also can be applied to the tire tread, belt, black hose and other products.

Specifications

Property/Unit	Specification	Test Method
Appearance	Meet the requirements	Visual
Volatile matter content (%) ≤	0.21	GB/T 24131-2009, hot-mill method
Ash content (%) ≤	0.04	GB/T 4498.1-2013, method A
Organic-acid content (%)	5.96	GB/T 8657-2014, method B
Soap content (%) ≤	0.04	GB/T 8657-2014, method B
Bound styrene content (%)	23.6	GB/T 8658-1998
Mooney Viscosity (Raw Rubber), ML (1+4) 100 °C	51-52	GB/T 1232.1 - 2016
Mooney Viscosity (Compound Rubber), ML (1+4) 100 °C ≤	76	GB/T 1232.1 -2016 (ASTM IRB No.8)
Modulus at 300% (145°C, 35 min) (MPa)	18.0	GB/T 8656-2018 formulation 2B (ASTM IRB No.8), GB/T 528-2009 (Type 1 cutters)
Tensile Strength (145°C, 35 min) (MPa) ≥	27.0	
Elongation at break (145°C, 35 min) (%) ≥	420	

Packaging

Rubber is wrapped with PE film (thickness: 0.046mm~0.054mm, melting point≤110°C). Package outside is a separate paper-plastic bag (a piece of rubber, 35kg) or a big PE bag (36 pieces of rubber, 1.26MT).

Storage and transportation

Optimum storage temperature is 10°C~35°C, storage warehouse should keep dry and keep away from sunshine. Storage condition reference GB/T 19188 (ISO 7664, IDT). The storage period is 12 months.