

## Introduction

JSR TR/SIS are styrenic thermoplastic elastomers that resulted from both synthetic rubber and synthetic resin technologies which JSR Corporation developed over many years.

JSR TR/SIS are block copolymers having polystyrene phases at both ends of the molecular chain and having polybutadiene or polyisoprene phase as intermediate portion. They exhibit excellent elasticity similar to cured rubber at room temperature, and can be easily processed by plastic molding machines at high temperature.

JSR TR/SIS can be broadly utilized as a material to fill the niche market lying between synthetic rubber and synthetic resin such as resin modifier, adhesive, asphalt modifier, footwears, and various molded goods.

### Table of Contents

1. Characteristics of JSR TR as Modifiers for Resins
2. Characteristics of JSR TR as Modifiers for Asphalt
3. Characteristics of JSR TR for Footwear and Soft Product Applications
4. Characteristics of JSR TR/ SIS for Adhesive Applications
5. JSR TR/SIS Basic Characteristics

Attachment : Typical properties of JSR TR  
Typical properties of JSR SIS

TR : Styrene Butadiene Block Copolymer  
SIS : Styrene Isoprene Block Copolymer

