

# Sinopec YH-4051

## Thermoplastic Elastomer

### Styrene-Ethylene-Propylene

### Block Copolymer

#### Brief Introduction

Sinopec SEPS YH-4051 is a clear linear triblock copolymer based on Styrene-Ethylene-Propylene, S-E/P-S, with bound styrene of 30% mass. Compared with SEBS, SEPS YH-4051 has advantages of fast oil absorption speed, low surface adhesion after oil absorption, high hardness and tensile strength, low permanent deformation, good adhesion properties with a variety of polar and non-polar materials.

#### Specification

##### Characteristic of Sinopec YH-4051

Property	YH-4051
Styrene Content, %.	30
Tensile Strength, Mpa	≥20.0
Elongation, %	≥500
Permanent deformation, %	≤32
Solution Viscosity (15%, 25°C. mPa.s)	400
Degree of Hydrogenation, %	≥98
Volatile Matter, %	≤1.00
Hardness Shore A.	75-85
300% Modulus, Mpa	≥4.0
MFR(5kg, 230°C, g/10min)	0.10-0.50

Note: Values are typical unless otherwise specified.

#### Packaging

Sinopec SEPS YH-4051 is available with the form of powder or pellet and packed in 13kg PE bags.

#### Applications

Sinopec SEPS YH-4051 could be used in various production of high resilience soft rubber.