

# LG501

## Styrene-Butadiene-Styrene

### Description

Linear Structure, Non-oil Extended Grade  
Thermoplastic Elastomer

### Application

Bitumen Modifier, Plastic Modifier  
Compounding, Adhesives, etc

### Physical Properties

Test Item	Test method	Unit	Specification	Typical Value
Structure	-	-	-	Linear
Styrene Content	LSY-QB-SD015 <sup>1)</sup>	%	30.0 ~ 32.0	31.0
Density	ISO 2781	g/cm <sup>3</sup>	0.93 ~ 0.95	0.94
T.S.V <sup>2)</sup>	ASTM D445	cSt	12.0 ~ 14.0	13.2
Melt Index <sup>3)</sup>	ASTM D1238	g/10min	< 1	< 1
Hardness	ASTM D2240	Shore A	71 ~81	79
Volatile Matter	ASTM D1416	%	Max. 0.6	0.3
Yellow Index	ASTM D1925	-	Max 6	2
<b>Other</b>				
Physical Form	Porous pellet(LG501S), Powder(LG501W), Fine powder(LG501WE)			
Packaging	Paper bag(20kg), Flecon bag(500kg)			

1) LG Chem Test Method

2) T.S.V.: Toluene Solution Viscosity 5%

3) Melt Index: 200℃, 5kg

※ For more information. Please kindly keep in touch with us.

- **LG Chem Europe GmbH**    Atricom C6, Lyoner street 15, 60528 Frankfurt am Main, Germany    Tel) 49-69-710-445-113, heejungkim@lgchem.com
- **LG Chem (Sales)**    128, Yeouidaero, Yeongdeungpo-gu, Seoul, 150-721, Korea    Tel) 82-2-3773-6808, topkorea@lgchem.com
- **LG Chem (Tech Center)**    188, Munji-ro, Yuseong-gu, Daejeon, 305-738, Korea    Tel) 82-42-719-3631, jinsw@lgchem.com
- **Homepage :** <http://www.lgchem.com>