

SL 803G

TECHNICAL DATA SHEET

Butadiene-styrene Copolymer

DESCRIPTION

SL803G is a grade of Sunion resin, commonly called K-resin. It is compounded by styrene(75%) and butadiene. It is non-toxic, colorless, high transparent and high anti-impact. The product is not resistant to oil, while it can be solved in toluene, cyclohexane, n-hexane and other non-polar solvents.

APPLICATIONS

- ◆ Plastic modification
- ◆ TPR modification
- ◆ Stationery
- ◆ Toys
- ◆ Medical instruments
- ◆ Food packaging

QUALITY INDEX

Items	Unit	Test method	Test condition	Values
Appearance	\	By visual	\	Colorless,Transparent
Structure	\	\	\	Linear
Styrene/Butadiene	\	\	\	75/25
Density	g/cm ³	GB/T 1033	23℃	1.01-1.03
Melt Fow Rate	g/10min	GB/T 3682	5kg-200℃	8 ± 2
Hardness, Shore D	\	GB/T 2411	Shore D	71 ± 3
Tensile Strength at Yield	MPa	GB/T 1040	50mm/min	≥23.5
Elongation at Break	%	GB/T 1040	50mm/min	≥150
Flexural Strength	MPa	GB/T 9341	2mm/min	≥34
Flexural Modulus	MPa	GB/T 9341	2mm/min	≥1350
IZOD Impact Strength	KJ/m ²	GB/T1843	Notched 23℃	≥3.5
Vicat Softening Point	℃	GB/T1633	10N,50℃/h	≥80
Heat Deflection Temperature	℃	GB/T1634.1	0.46MPa,120℃	≥70
Transmittance	%	GB/T2410	2mm	≥90
Haze	%	GB/T2410	2mm	≤4.0