

Butadiene-styrene Copolymer

DESCRIPTION

8036 is a grade of Sunion resin, commonly called K-resin. It is compounded by styrene(70%) 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
- ◆ Medical devices
- ◆ Toys
- ◆ Disposable cup
- ◆ Food packaging

QUALITY INDEX

Items	Unit	Test method	Test condition	Values
Appearance	\	By visual	\	Colorless, transparent
Structure	\	\	\	Linear
Styrene/Butadiene	\	\	\	70/30
Density	g/cm ³	GB/T 1033	23℃	1.01-1.02
Melt Flow Rate	g/10min	GB/T 3682	5kg-200℃	8.0±2.0
Hardness, Shore D	\	GB/T 2411	\	62.0±4.0
Tensile Strength at Yield	MPa	GB/T 1040	50mm/min	≥10
Elongation at Break	%	GB/T 1040	50mm/min	≥180
Flexural Strength	MPa	GB/T 9341	2mm/min	≥16.0
Flexural Modulus	MPa	GB/T 9341	2mm/min	≥750
IZOD Impact Strength	KJ/m ²	GB/T1843	Notched 23℃	≥4.5
Vicat Softening Point	℃	GB/T1633	10N, 50℃/h	≥68.0
Heat Deflection Temperature	℃	GB/T1634.1	0.46MPa,120℃	≥60.0
Transmittance	%	GB/T2410	2mm	≥89.0
Haze	%	GB/T2410	2mm	≤4.0