



MULTIPLIED PERFORMANCE

## Low-cis Polybutadiene Rubber (Low-cis BR)

Low-cis polybutadiene rubber (BR) produced by a solution process was developed in 1950-60's and arose from the increasing interest in the use of anionic polymerization to create polybutadienes of consistent and precise structure. Over time, low-cis BR (both linear and branched) has become the product of choice for the industrial modification of plastics in High Impact PolyStyrene (HIPS) or Acrylonitrile – Butadiene – Styrene (ABS) and in tire application.

Intene® K is a low 1,4-cis polybutadiene produced by solution polymerization in an aliphatic solvent, thus greatly improving the environmental friendliness of the whole process.

### Intene® L-CIS

GRADE NAME	Cis content % wt	Viscosity 5% in Styrene 25°C	Color (b°)(max)	Stabilizer	Main Applications
INTENE K 30 AF	38	65	5	Food approved	HIPS & ABS
INTENE K 40 AF	38	100	5	Food approved	
INTENE K 50 AF	38	170	5	Food approved	
INTENE K 60 AF	38	250	5	Food approved	
INTENE K C 30 AF	38	42	5	Food approved	

### Intene® L-CIS

GRADE NAME	Cis content % wt	Mooney viscosity ML (1+4) 100°C	Stabilizer	Main Applications
INTENE K 50	38	48	Non staining	TYRE
INTENE K C 30 AF	38	40	Non staining	

### Europrene® High Vinyl

GRADE NAME	Vinyl content % wt	Mooney viscosity ML (1+4) 100°C	Stabilizer	Main Applications
EUROPRENE HV 80	77	70	Non staining	TYRE TREAD COMPOUND



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솔루션 중합공정에 의해 제조된 Low-Cis 폴리부타디엔 고무 (BR)는 1950-60년대에 개발되었으며 일관되고 정밀한 구조의 폴리 부타디엔을 제조할 수 있는 음이온 중합 사용에 대한 관심이 높아짐에 따라 시작되었습니다. 시간이 지남에 따라 low-cis BR (선형 및 가지형)은 고충격 PolyStyrene (HIPS) 혹은 아크릴로니트릴-부타디엔-스티렌 (ABS) 및 타이어 용도를 위한 플라스틱의 산업적 개질을 위한 제품 선택이 되었습니다.

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