

LCBR Low-cis Polybutadiene Rubber

Product

Grade	Applications	Properties
55AE Non oil extended LCBR	HIPS/ABS modification	High viscosity; low impurity content; industry standard for HIP modification
35AE Non oil extended LCBR	HIPS/ABS modification	Low viscosity; low impurity content

Specification:

Grade: 55AE

Item	Specification	Test Method
Mooney viscosity (@100°C)	47.0-55.0	Asahi's method(ASTM D-1646)
Solution viscosity (cps)	153-183	Asahi's method (ASTM D-445)
Volatile content (%wt)	≤0.75	Asahi's method (ASTM D-5668)
Visible gel (b value)	≤3	Asahi's method
Color (b*)	≤7	Asahi's method (JISK-8730)
Anti-oxidant 1076 (%wt)	≤0.12	Asahi's method
Ash content (%wt)	≤0.2	Asahi's method (ASTM D-5667)
Dissolving time (hr)	≤4	Asahi's method
Williams resilience recovery (mm)	1.5-2.8	Asahi's method (ASTM D-926)
Typical data (no specification)		
Insoluble matters in styrene	≤0.008%	Asahi's method
Cis content (%wt)	36%	Asahi's method
Trans content (%wt)	51%	Asahi's method
Vinyl content (%wt)	13%	Asahi's method

Grade: 35AE

Item	Specification	Test Method
Mooney viscosity (@100°C)	30.0-40.0	Asahi's method(ASTM D-1646)
Solution viscosity (cps)	75-95	Asahi's method (ASTM D-445)
Volatile content (%wt)	≤0.75	Asahi's method(ASTM D-5668)
Visible gel (b value)	≤3	Asahi's method
Color (b*)	≤10	Asahi's method (JISK-8730)
Anti-oxidant 1076 (%wt)	≤0.12	Asahi's method
Ash content (%wt)	≤0.2	Asahi's method (ASTM D-5667)
Dissolving time (hr)	≤4	Asahi's method
Williams resilience recovery (mm)	1.5-2.8	Asahi's method (ASTM D-926)
Typical data (no specification)		
Insoluble matters in styrene	≤0.008%	Asahi's method
Cis content (%wt)	36%	Asahi's method
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For order or more information please contact chemie@sunny-gmbh.de.