

Diene™

55AC15

Diene 55AC15 is an alkyl lithium polymerized polybutadiene, featuring excellent color and low gel. It is intermediate in solution viscosity between Diene 35AC and 70AC types, and contains a non-volatile antioxidant system that does not contain TNPP. Diene 55AC15 is widely used as an impact modifier for thermoplastic resins.

TYPICAL PROPERTIES

Solution Viscosity, cP (5.43% in Toluene)	162
APHA Color	2.5
Toluene Insolubles, Wt. %	0.002
Volatile Matter, Wt. %	0.40
Ash, Wt. %	0.10
Mooney Viscosity, ML/4/100°C	52.0
Williams Plasticity, Y ₃ , mm	3.60
Williams Recovery, R ₁ , mm	1.85
Inherent Viscosity (DSV)	2.2
Dissolving Time, Hrs. @ 25°C	2.0
Glass Transition Temp., T _g , °C	-96
Refractive Index	1.5167
Specific Gravity	0.90