

DieneTM

70AC10

Diene 70AC is an alkyl lithium polymerized polybutadiene, featuring excellent color and low gel. It has the highest solution viscosity of the three standard types (35AC and 55AC being the others), and contains a non-volatile antioxidant system. Diene 70AC imparts superior toughness and lower gloss when used as a grafted impact modifier for thermoplastic resins.

TYPICAL PROPERTIES

Solution Viscosity, cP (5.43% in Toluene)	250
APHA Color	2.5
Toluene Insolubles, Wt. %	0.002
Volatile Matter, Wt. %	0.40
Ash, Wt. %	0.15
Mooney Viscosity, ML/4/100°C	71.0
Williams Plasticity, Y₃, mm	4.2
Williams Recovery, R₁, mm	2.3
Inherent Viscosity (DSV)	2.4
Dissolving Time, Hrs. @ 25°C	3.0
Glass Transition Temp., T_g, °C	-96
Refractive Index	1.5167
Specific Gravity	0.90