

DieneTM

40AC10

Diene 40AC10 is an alkyl lithium polymerized polybutadiene, featuring excellent color and low gel. It is the lowest solution viscosity of the four standard types (35AC, 55AC and 70AC being the others), and contains a non-volatile antioxidant system. Diene 40AC10 is primarily used as an impact modifier for thermoplastic resins.

TYPICAL PROPERTIES

Solution Viscosity, cP (5.43% in Toluene)	85
APHA Color	2.5
Toluene Insolubles, Wt. %	0.002
Volatile Matter, Wt. %	0.40
Ash, Wt. %	0.15
Organic Acid	None
Soap	None
Mooney Viscosity, ML/4/100°C	40.0
Williams Plasticity, Y₃, mm	3.80
Williams Recovery, R₁, mm	2.80
Dissolving Time, Hrs. @ 25°C	2.0
Glass Transition Temp., T_g, °C	-96
Refractive Index	1.5167
Specific Gravity	0.90