

# Diene<sup>TM</sup>

## 70AC15

Diene 70AC15 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, which does not contain TNPP. Diene 70AC15 imparts superior toughness and lower gloss when used as a grafted impact modifier for thermoplastic resins.

### TYPICAL PROPERTIES

<b>Solution Viscosity, cP (5.43% in Toluene)</b>	<b>250</b>
<b>APHA Color</b>	<b>2.5</b>
<b>Toluene Insolubles, Wt. %</b>	<b>0.002</b>
<b>Volatile Matter, Wt. %</b>	<b>0.40</b>
<b>Ash, Wt. %</b>	<b>0.15</b>
<b>Mooney Viscosity, ML/4/100°C</b>	<b>71.0</b>
<b>Williams Plasticity, Y<sub>3</sub>, mm</b>	<b>4.2</b>
<b>Williams Recovery, R<sub>1</sub>, mm</b>	<b>2.3</b>
<b>Inherent Viscosity (DSV)</b>	<b>2.4</b>
<b>Dissolving Time, Hrs. @ 25°C</b>	<b>3.0</b>
<b>Glass Transition Temp., T<sub>g</sub>, °C</b>	<b>-96</b>
<b>Refractive Index</b>	<b>1.5167</b>
<b>Specific Gravity</b>	<b>0.90</b>