

# CRAY VALLEY

## Technical Data Sheet

# Ricon® 153 D/DA

## Powdered Dispersion of High Vinyl Butadiene

### DESCRIPTION

Ricon® 153 D/DA is a low molecular weight, liquid polybutadiene resin, dispersed on a calcium silicate carrier for ease in handling. Ricon® 153 D/DA has high vinyl functionality for high reactivity, exceptional hydrophobicity and excellent processing characteristics. This resin is suitable for use in peroxide- and sulfur-cured elastomers, where it acts as a non-extractable plasticizer and process aid. Its polymeric structure gives excellent compatibility in saturated and unsaturated elastomers, especially olefinic-based elastomers and thermoplastic resins. The resin is a Type II coagent, giving excellent crosslink densities without affecting the rate of cure.

### PRODUCT HIGHLIGHTS / PERFORMANCE PROPERTIES

Free flowing powder  
High reactivity  
Non-extractable process aid  
Electrical insulator  
Excellent dielectric properties  
Excellent hydrophobicity  
Low temperature flexibility  
Coagent for elastomer cure  
Good hardness  
Scorch protection  
Good compression set  
Abrasion resistance  
High tear strength

### SUGGESTED APPLICATIONS

Rubber  
Wire and cable  
Sealants  
Thermoplastic modification

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Unit
Molecular Weight (Mn)*	6,700	g/mol
1,2 Vinyl Content*	85	wt. %
Viscosity* @ 45°C	65,500	cps
Tg*	-22	°C
Actives	65	%
Specific Gravity @ 25°C	1.28	-

\*Resin properties



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