

Technical Data Sheet

Ricon® 153 D / Ricon® 153 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	Test Method	Value	Unit
Molecular Weight (Mn)*	QCS-651	4,700	g/mol
1,2 Vinyl Content*	QCS-642	85	wt. %
Viscosity @ 45°C*	QCS-630	60,000	cps
Tg*	QCS-681	-28	°C
Specific Gravity @ 25°C	QCS-649	1.28	-
Actives	QCS-720	65	%

*Resin properties

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