

DP-Poly S

DeProteinised Polymer

Description

DP-Poly S is a highly-purified form of natural rubber from which most of the proteins and ash have been removed. The polymer is produced under very closely defined and controlled conditions and contains c.a. 96% hydrocarbon compared to c.a. 93% for normal natural rubber grades. The removal of these non-rubber materials confers special attributes to DP-Poly which enhance its value in certain specialized applications.

DP-Poly S is a standard grade which does **not** have a viscosity stabilization feature. The initial viscosity is around 75 - 85 Mooney units but, because of the reduction in the non-rubber content, the rate of viscosity increase, due to spontaneous storage hardening typical of any natural rubber, is expected to be relatively low.

Color is lighter, with Lovibond a maximum of 4.

End Use

End uses are similar to those of DP-Poly CV, except that the initial Mooney viscosity of DP-Poly S is higher and the color is lighter.

Features

- Very low protein content
- Low volatile content
- Light color
- Very low dirt and ash contents
- Low water absorption
- Free from nitrosamines

Raw Rubber: Properties

Property	Unit	Typical Values
Dirt retained on 44 u aperture	% wt	max 0.01
Ash Content	% wt	max 0.15
Nitrogen Content	% wt	max 0.12
Volatile Content	% wt	max 0.30
Mooney Viscosity*	ML ₁	70 - 80**
Color (Lovibond)	max	4

* ML 1+4 (100°C)

** At time of production. Indicative values only

Packaging

Net Weight (per pallet)	1,200 kg
Number of Bales (per pallet)	36
Net Weight (per bale)	33.3 +/- 0.5 kg
Dimension (per bale)	330 x 670 x 170 mm
Bale Wrapper (foil)	Low Density PE-Film
Bale Thickness	0.03 - 0.05 mm
Bale Density	0.92 g/cm ³
Bale Melt Point	109°C (Vicat)

Note: The technical data listed in this publication are typical values. Therefore, there may be slight differences between the elements of a supplied product and the data.

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