



Air D-Fense™ 3000

Product Data Sheet

Product Description

Air D-Fense™ 3000 is an environmentally-friendly, aqueous suspension of nano-dispersed silicates and butyl rubber. It is used as a barrier coating and can be applied to various elastomeric substrates via spray or dip coating processes. Air D-Fense™ 3000 has the secondary properties of butyl rubber which may be important in the application, such as low temperature flexibility and capability to be cured at high temperatures.

Typical Properties of Air D-Fense™ 3000

Property	Unit	Value
Permeability @ 23°C, 0% RH on Polypropylene Substrate	cc-mm/m ² -day-atm	1.0 – 1.5 +/-10%
Strain to first damage @ 25°C, 0%RH with 25x microscope, rubber substrate	%	10-15 +/-2%
Viscosity Brookfield, cP @0.3 rpm, 25°C	cP	2000-4000 +/- 10%
Solid Content	%	9.0-10.0
pH		5.5-7.5
Shelf Life	Months from date of manufacture	12

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