

## Solvay Specialty Polymers Diofan<sup>®</sup> A 610 Polyvinylidene Chloride (PVDC)

Category : Polymer , Thermoplastic , PVDC , Polyvinyl Dichloride (PVDC)

### Material Notes:

Diofan<sup>®</sup> A 610 is a water based dispersion of a polyvinylidene chloride copolymer. It is free of solvent traces, alkylphenol ethoxylates or any other toxic substances. It features exceptional barrier properties to water vapor and oxygen. Diofan<sup>®</sup> A 610 is a high surface tension latex; the addition of a convenient surfactant will enable to obtain a good quality coating as well as the addition of a coalescent agent to facilitate film formation at low temperature (< 10<sup>°</sup>C). Features: Flame Retardant; Moisture Barrier; Non-Toxic; Oxygen Barrier Uses: Barrier Coatings; Coating Applications Additional Properties: Density - 1.650 g/cm<sup>3</sup>; Density - 1.330 g/cm<sup>3</sup>; Emulsion Type - Anionic; Filmability - 11 <sup>°</sup>C; Oxygen Transmission Rate - ASTM D3985 40 cm<sup>3</sup>/m<sup>2</sup>/bar/24 hr; pH - 1.5; Shelf Life - 10 month; Solids Content - 60 %; Surface Tension - 54 mN/m Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Diofan-A-610-Polyvinylidene-Chloride-PVDC.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Diofan-A-610-Polyvinylidene-Chloride-PVDC.php)

Physical Properties	Metric	English	Comments
Water Vapor Transmission	14.0 g/m <sup>2</sup> /day	0.902 g/100 in <sup>2</sup> /day	
	@Thickness 0.00100 mm, Temperature 38.0 <sup>°</sup> C	@Thickness 0.0000394 in, Temperature 100 <sup>°</sup> F	90% RH; ASTM F1249

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	16.0 <sup>°</sup> C	60.8 <sup>°</sup> F	DSC

Descriptive Properties	Value	Comments
Agency Ratings	EC 1907/2006 (REACH); EU No 10/2011	
Availability	Asia Pacific	
	Europe	
	Latin America	
	North America	
Color	Milky White	
Form	Liquid	

## Contact Songhan Plastic Technology Co.,Ltd.

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