

OxyVinyls® 450F

General Description

Type: Polyvinyl Chloride Homopolymer
 Polymerization Process: Suspension
 Appearance: White, free flowing powder

Features and Uses

Medical and Food Grade Flexible Film and Sheet	Low Gels and Contamination
Medical and Food Grade Tubing and Molded Devices	Uniform Plasticizer Absorption
Wire and Cable Insulation	Drug Master File Listing
Automotive Molding and Profile Applications	

Resin Properties	Typical Value	Specification Range	Test Method
Inherent Viscosity (dl/g)	0.95	0.93 - 0.97	OxyVinyls 893
Relative Viscosity	2.24	--	Correlation
"K" Value	68	--	Correlation
Volatiles (%)	0.05	0 - 0.3	OxyVinyls 1242
Malvern Particle Size			
% Retained on 40 mesh	0.0	0 - 0.1	OxyVinyls 1390
% Retained on 60 mesh	3.8	0 - 9	OxyVinyls 1390
% Through 140 mesh	6.4	0 - 12	OxyVinyls 1390
% Retained on pan	3.4	0 - 9	OxyVinyls 1390
Dark Specks (#/100gm)	2	0 - 9	OxyVinyls 1217
Residual Monomer (ppm)	0.03	0 - 1	OxyVinyls 1005
Powder Mix Time(s)	252	190 - 320	OxyVinyls 488
Color (Pressed Pellet b value)	1.0	0.57 - 1.13	OxyVinyls 1414
Fisheyes (6 minute mill results)	7	0 - 15	OxyVinyls 1233
Flow Time(s)	17	15 - 26	OxyVinyls 690
Apparent Bulk Density (g/cc)	0.48	0.48 - 0.57	OxyVinyls 690
ASTM Cell Classification	GP-4-15350	--	ASTM D 1755

(Pedricktown Plant)
 04/15/2005

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