

WELLPREN™

CHLORINATED POLYETHYLENE RESIN

WELLPREN™

IM 900

Version: 02
Revision date: 01 Jan.2017

General introduction

WELLPREN™ RESIN IM series products are chlorinated polyethylene resin. It is a type of superior high performance-price ratio impact modifier and is widely used in production of many types of rigid plastic products and semi-flexible products.

Proper amount of WELLPREN™ RESIN added into formulations of PVC, PE or PP plastic products will not only greatly enhance impact resistance but will also largely improve low temperature performance, weatherability, welding strength and other performance. WELLPREN™ RESIN is most suitable for substitution of acrylic impact modifier (AIM) or blending with AIM with a certain percentage without adjusting the processing data and the formulation, resulting in an optimum performance/cost solution.

Properties of WELLPREN™ RESIN:

- Superior flexibility and good low temperature impact strength
- Compatible with acrylic impact modifier
- Superior compatibility with polymers like PVC, PE, and ABS
- Superior weatherability
- Superior processibility
- Excellent corner strength
- High surface gloss
- Good filler acceptance
- Cost effective system

Characteristics of IM 900

Among all WELLPREN™ IM series, IM 900 has the highest chlorine content, lowest molecular weight, this grade has excellent flame retardance and flowability.

Application

IM 900 can be used in flexible PVC modification, taps, coating, foamed products etc.

Supply specification

IM 900	Property	Test method	Typical data	Specification
	Appearance	---	White powder	White powder
	Chlorine content, %	GB/T7139	40	39 - 41
	Heat of fusion, J/g	HG/T2704-2010	1.0	≤ 2.0
	Volatiles, %	GB/T2914	0.2	≤ 0.3
	Sieve remainder, 0.8 mm sieve, %	GB/T2916	0	≤ 2.0
	Bulk density, g/cm ³	GB/T-20022-2005	0.52	≥ 0.50
	Impurity particles, piece/100g	SD/T - 2705	8	≤ 15
	Thermal stability time, min @ 165° C	GB/T-2917.1-2002	9	≥ 8
	Hardness, Shore A	GB/T531	59	≤ 65
	Tensile strength, Mpa	GB528	9.0	≥ 8.0
	Elongation at break, %	GB528	700	≥ 600

Packing , transportation and storage

25 Kg PP woven bag or 500 kg / 600 kg supre sacks.

This material is non- dangerous goods for land, air and marine transportation.

To avoid blocking, bags containing WELLPREN should be stacked no more than two pallets high and should be stored at temperature no more than 100° F (38° C), shelf life is theoretically unlimited when storage is under proper conditions.

Safe Handling

Please consult the MSDS before handling for additional information concerning personal protective equipment, Safety, Health and Environmental information, and always exercise the utmost care in handling.

Contact information



<http://www.sundow.com>

info@sundow.com

Sundow Polymers Co.LTD

F1.8, Riverdals Bld.,No.350, Dongfeng Street, Weifang,Shandong, China.

Tel: + (86) 536 8057068 Fax: +(86) 536 8057018