

# WELLPREN™

## CHLORINATED POLYETHYLENE RESIN

WELLPREN™

IM 888

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 888

Among all WELLPREN™ IM series, IM 888 has the highest molecular weight, this grade has the excellent mechanical performance and high filler acceptance.

## Application

IM 888 is designed for general purpose plastic impact modification where superior impact strength, good low temperature property and high filler acceptance are required. This grade is the most popular grade for plastic impact modification. The application fields cover PVC door and window profiles, siding, sheet, fence, pipe, electrical conduit etc.

## Supply specification

<b>IM888</b>	<b>Property</b>	<b>Test method</b>	<b>Typical data</b>	<b>Specification</b>
	Appearance	---	White powder	White powder
	Chlorine content, %	GB/T7139	35	34 – 36
	Heat of fusion, J/g	HG/T2704-2010	0.8	≤ 1.5
	Volatiles, %	GB/T2914	0.2	≤ 0.3
	Sieve remainder, 0.8 mm sieve, %	GB/T2916	0	≤ 2.0
	Bulk density, g/cm <sup>3</sup>	GB/T-20022-2005	0.53	≥ 0.50
	Impurity particles, piece/100g	SD/T - 2705	8	≤ 15
	Thermal stability time, min @ 165° C	GB/T-2917.1-2002	10	≥ 8
	Hardness, Shore A	GB/T531	56	≤ 60
	Tensile strength, Mpa	GB528	11.5	≥ 10.0
	Elongation at break, %	GB528	800	≥ 700
	Calcium content, %	SD/T-2706	2.0	≤ 2.4

## 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**



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