

WELLPREN™

CHLORINATED POLYETHYLENE RESIN

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IM 500-LC

Revision date: 12 March.2018

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 like sidings.

Proper amount of WELLPREN™ RESIN added into formulations of PVC, PE or PP plastic products will not only greatly enhance impact resistance but also will 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 500-LC

IM 500-LC has the lowest molecular weight, medium chlorine content, suitable crystallinity, best flowability, good compatibility with ABS, suitable for the production of molded products.

Application

IM 500-LC is specially designed to act as the impact modifier of flame retardant ABS (FR-ABS) compound. It can also be used in plastic modification where excellent rheological property is required.

Supply specification

IM500-LC		Property	Test method	Typical data	Specification
		Appearance	---	White powder	
		Chlorine content, %	GB/T7139	35	34 - 36
		Heat of fusion, J/g	HG/T2704-2010	1.0	≤ 5.0
		Volatiles, %	GB/T2914	0.2	≤ 0.3
		Sieve remainder, 0.9 mm sieve, %	GB/T2916	0	≤ 2.0
		Impurity particles, piece/100g	HG/T2704-2010	15	≤ 30
		Thermo decomposition temperature, °C	GH-002	165	≥ 160
		Hardness, Shore A	GB/T531	60	≤ 65
		Tensile strength, Mpa	GB528	9.5	≥ 8.0
		Elongation at break, %	GB528	650	≥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



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