



KISUMA CHEMICALS BV  
Billitonweg 7  
9641 KZ Veendam  
P.O. Box 400  
9640 AK Veendam  
The Netherlands

Tel. +31 598 666 766  
Fax. +31 598 690 792  
  
support@kisuma.com

# ZHT-4V

## Mg-Al-Zn Hydrotalcite as halogen scavenger in plastic processes such as the production of polyolefin.

### Features:

ZHT-4V reacts with and deactivates the residual quantities of acidic substances associated with Ziegler-Natta, Friedel-Craft, Metallocene or other acid catalysts used to produce polymers or elastomers. The superiority of ZHT-4V compared to other products is due to its particular mechanism of adsorbing acids based on anion-exchange.

ZHT-4V retains the color properties of the polyolefin.

### Specified and Typical Properties:

	Typical value	General specification	units	KCBV /Kyowa method
Appearance	White Odorless Powder	WOP	-	0012A
Molar ratio MgO/Al <sub>2</sub> O <sub>3</sub>	3	min 2.5 max 3.5	-	0103
Molar ratio ZnO/Al <sub>2</sub> O <sub>3</sub>	1	min 0.5 max 1.5	-	0103
Loss on Drying (105°C/1 hr)	0.2	max 0.5	w/w%	0001B
Specific Surface Area	9	min 5 max 15	m <sup>2</sup> /g	0008A
Secondary particle size				0007B
Average	0.5	min 0.3 max 0.8	µm	
> 5 µm	0	0	µm vol %	
Density	2.3	-	-	-
Hardness (Mohs)	2.0	-	-	-
Refractive index	1.54	-	-	-

*Typical properties are given for information only and can not be used for specification*

**Packaging**

ZHT-4V is standard packed in 20 kg PE bags on a pallet identified by nett weight and lot#.

CoC and MSDS of ZHT-4V are provided by each delivery.

**Other information**

ZHT-4V is a non-kosher offending product, produced in the Netherlands by Kisuma Chemicals BV.