



Trigon Chemicals Pvt. Ltd.

(ISO 9001:2008 Certified Company)

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Email: aditya@trigon-chemie.com, www.trigon-chemie.com

POLYMER ADDITIVES	FILLERS
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Talc Powder	Technical Datasheet
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Product Information: POLYMER ADD-TALC 955 is a hydrous magnesium silicate. It is used as fillers in thermoplastic and thermoset polymers. The presence of the talc modifies the rheological and physical properties of the polymer. It has chemical inertness, high dielectric strength, high thermal conductivity, low electrical conductivity, and oil and grease adsorption.

Product Name	Talc Powder		
Grade Name	POLYMER ADD-TALC 955		
CAS No.	14807-96-6		
EINECS No.	238-877-9		
Molecular Formula	3MgO.4SiO2.H2O		
Synonyms	<ul style="list-style-type: none">• Hydrous magnesium silicate• Dioxosilane - oxomagnesium (4:3) hydrate		
TEST	SPECIFICATION	METHOD	
Appearance	Form: Fine Powder Colour: White	Visual	
Whiteness	90 % Min.	By CIE Scale	
Moisture Content	1.5 % Max.	TGA	
Heavy Metals	< 10 ppm	By AAS	
Asbestos	Nil	Chemical Analysis	
SiO2 Content	46.4 - 63 % Min.	By AAS/Gravimetric Analysis	
Al2O3 Content	0.3 - 0.8 %	By AAS/Gravimetric Analysis	
Fe2O3 Content	0.1 - 1.8 %	By AAS/Gravimetric Analysis	
Particle Size	D 50: < 7 µm	Malvern dry dispersion	
Particle Size	D 90: < 15 µm	Malvern dry dispersion	
Solubility at	Solvent	Solubility (gm/100ml)	Visual

Product Applications:

1. POLYMER ADD-TALC 955 is used in, HDPE, LDPE, PVC and ABS & Thermosetting Compounds.
2. It is used in plastics for computer bodies and garden furniture where increased UV resistance is a highly desirable characteristic.
3. In polypropylene, it is used to improve mechanical strength and scratch resistance.

Product Benefits:

1. POLYMER ADD-TALC 955 improves chemical & heat resistance.
2. It improves impact absorbing strength.



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3. It gives dimensional stability.

Product Dosage: We strongly recommend testing of your own system under the actual conditions of processing and end-use prior to full scale testing. Exact loading must be determined by compositions of the specific polymer systems.

Polymer Details	Suggested dosage
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Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

Product Registration: POLYMER ADD-TALC 955 is approved for use in food contact polymer as per the following chapter headings.

Title: 21- Food and Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 176 - Indirect Food Additives: Paper And Paperboard Components

Subpart: B - Substances For Use Only As Components Of Paper And Paperboard

Section: 176.170 - Components Of Paper And Paperboard In Contact With Aqueous And Fatty Foods.

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Title: 21- Food and Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 178 - Indirect Food Additives: Adjuvants, Production Aids, And Sanitizers

Subpart: D - Certain Adjuvants And Production Aids

Section: 178.3297 - Colorants For Polymers.

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Title: 21- Food and Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 182 - Substances Generally Recognized As Safe

Subpart: A - General Provisions

Section: 182.70 - Substances Migrating From Cotton And Cotton Fabrics Used In Dry Food Packaging.

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Title: 21- Food and Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services

Subchapter: B - Food For Human Consumption (Continued)

Part: 182 - Substances Generally Recognized As Safe

Subpart: A - General Provisions

Section: 182.90 Substances Migrating To Food From Paper And Paperboard Products.



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Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration Department Of Health And Human Services

Subchapter: A - General

Part: 73 - Listing Of Color Additives Exempt From Certification

Subpart: B - Drugs

Section: 73.1550 Talc.

Product Disclaimer

Important : This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleges negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended