



Technical Data Sheet

Model: UVK-CL4

Product Category: PU Anti-Yellowing Agent / Antioxidant

Properties	Appearance	light yellow liquid
	Density (g/cm ³ , 25°C)	1.125
	Viscosity (mPa.s, 25°C)	850±400
	Smell	With slight special smell
Solubility	Soluble in normal polyurethane raw materials such as polyether polyol, polyester polyol, plasticizer.	
Applications	UVK-CL4 is a new generation of high-efficiency anti yellowing antioxidant, which strengthens the resistance to yellowing caused by ultraviolet rays. It is recommended to be used for light color and transparent polyether type polyurethane products with strict appearance requirements, such as transparent roller skates, shoe materials, cold pad gel, plastic runway glue, etc. If used with UVK-TC (weight ratio 1:1), the anti yellowing effect will be better	
Advantage Descriptions	UVK-CL4 is used in polyurethane with high efficiency anti-aging and anti yellowing characteristics. By comprehensively preventing/reducing the photodegradation, oxidation, thermal degradation, etc. of polyurethane materials caused by external factors such as light, oxygen, heat, etc., it can delay the yellowing and aging of polyurethane and improve the service life of polyurethane. The unique characteristics are following: <ul style="list-style-type: none">➤ High molecular weight, stable chemical structure and good compatibility. It will not migrate from polyurethane materials both at high and low temperatures.➤ Low addition but excellent anti-oxidation and anti-yellowing effect.➤ Light color and no influence of PU appearance.➤ To keep liquid status at room temperature, to be handling easily without melting.	
User's Guide	<ul style="list-style-type: none">➤ UVK-CL4 can be added into both isocyanates and polyols component, normally suggesting to be added into polyols component and stirring well➤ For isocyanates component, it can be added at any stage. Adding it before reaction can prevent the occurrence of yellowing of prepolymer; Although we think it is safe to be added into isocyanate components, in view of the active property of isocyanate, it is still recommended to confirm the storage stability test before use.,➤ The dosage depends on the grade of yellowing resistance, and the recommended dosage is 0.2-1% of the total weight.	
Handling & Storage	Please store in a cool, ventilated and dry warehouse to avoid fire and sunlight.	
Package	25kg/200kg in HDPE drum	
Shelf Life	Unopened shelf life is 12 months from the date of manufacture. Please note that it must be sealed	

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