



Technical Data Sheet

Model: UVK-CL2

Product Category: Anti-Yellowing Agent / Antioxidant

UVK-CL2 is a wide applicable product to be used in 2K PU both aromatic and aliphatic isocyanates systems. It is an updated product of UVK-CL, enhancing the UV yellowing resistance.

Properties	Appearance	Clear, light yellow liquid
	Colour (Fe-Co)	3-4
	Density (g/cm ³ , 25°C)	1.118
	Viscosity (mPa.s, 25°C)	870±100
Solubility	Soluble in normal polyurethane raw materials (polyether polyol, plasticizer)	
Applications	UVK-CL2 can be widely used in diverse PU CASE applications, especially to be recommended to light-coloured and transparent elastomers, such as transparent roller skates, tint shoe upper glue, shoe material, transparent PU gel, PU crafts and so on.	
Advantage Descriptions	UVK-CL2 demonstrates excellent comprehensive effects of anti-oxidation and anti-yellowing for CPU elastomers at high temperature application. It can effectively prevent/reduce the degradation of photodegradation, oxidation and thermal caused by external factors, such as light, oxygen and heat, to delay the yellowing and improve the service life. 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.➢ Excellent performance of the anti-oxidative and anti-yellowing. Comparing to normal products, the effects of UVK-CL2 exceeds 1-3 times even if the dosage is only 1/3.➢ Light color and no influence of appearance.➢ To keep liquid status at room temperature, to be handling easily without melting.	
User's Guide	<ul style="list-style-type: none">➢ UVK-CL2 can be added into both isocyanates and polyols component, normally suggesting to be added into polyols component and stirring well➢ For isocyanates component, it is suggested to be added before prepolymerizing to avoid yellowing of prepolymer during high temperature reaction,➢ Levels of 0.1-0.3% as supplied by weight on total volume.	
Handling & Storage	Exposure to atmosphere should be avoided. Product should be stored in a cool, dry environment away from sunlight and excessive heat.	
Package	25kg/200kg in HDPE drum	
Shelf Life	Unopened shelf life is 12 months from the date of manufacture.	

All recommendation and technical information (whether verbal, written or by way of product evaluations), including any suggested formulations contained herein is provided for information purpose only and does not constitute a legal contract as well as suitable for relating to the third party rights. The conditions of your use and application of our products, technical assistance and information are beyond our control. Therefore, no guaranty or warranty for your evaluation is made. Consequently the user assumes all risks in connection with the use and handling of this product based on our technical information and recommendations, final determination of suitability of this product is the sole responsibility of the user. (2018 version)