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Cartell Chemical Co., Ltd., established in 1994, is a world-class manufacturer of industrial adhesives, sealants, and specialty chemical products. Its flagship brand MXBON® delivers high-performance, cost-effective, and reliable solutions for design, manufacturing, assembly, and maintenance across the industrial sector. MXBON® products are widely used in a broad range of industries, including traditional manufacturing, electronics, electrical engineering, medical equipment, railway transportation, shipbuilding, sports equipment, hand tools, pneumatic tools, 3C electronic products, and the automotive industry.

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※本型錄內容會有因產品改良而有變更的可能性，恕不另行通知。  
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mxbon®



紫外線UV膠  
LIGHT CURE ADHESIVES



**41011 UV快速固化 塑膠接著 具螢光辨識性**

*High viscosity, fast curing by UV, for PVC plastics, fluorescent traceability*

高黏度有搖變性,方便施膠後避免膠體溢流  
能對應多類基材,特別適用於PC、PBT、PA等塑膠殼體  
之小間隙密封使用  
柔韌抗衝擊,具優越的密封性以及一定的防水性  
High viscosity with thixotropic properties for precise dispensing and reduced flow after application.  
UV rapid curing with visible fluorescence for inspection.  
Compatible with a wide range of substrates, especially effective for sealing narrow gaps in plastic housings such as PC, PBT, and PA.  
Flexible and impact-resistant, offering excellent sealing performance and a certain degree of water resistance.

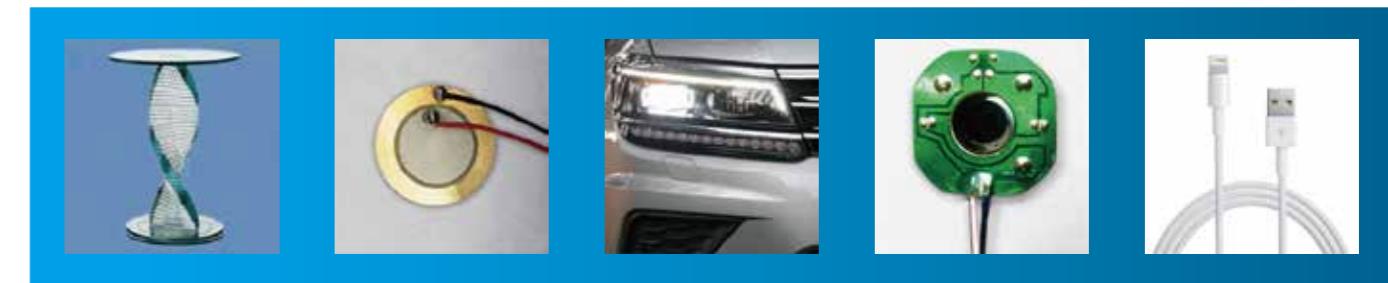
**41430 中高黏度 UV快速固化 PC塑膠通用型**

*Mid-high viscosity, fast curing by UV, for PC plastic general purpose*

可柔軟連接應力敏感塑料  
有搖變性,方便施膠後避免膠體溢流,中高黏度可應用於大間隙填補  
特別適用於PC塑料自黏,並適用於多種類塑膠與金屬之黏接,也可用於玻璃及陶瓷材料  
Provides flexible bonds when joining stress-sensitive plastics.  
Thixotropic, mid-high viscosity liquid, can avoid overflow and can be used on large gap filling.  
Especially suitable for bonding PC, and can also be used on various types of plastics, metals, glass and ceramic materials.

**MXBON®紫外線UV膠**是具有高接著強度的快速固化方案,滿足金屬及塑膠材料的黏接、固定、密封、灌注、封裝等工業組裝需求。光固化機制方便組裝對準定位,可搭配使用高周轉速度的連續式自動化設備,提高生產效率。

MXBON Light Cure Adhesive provides a fast curing solution with excellent bonding strength, which can meet the industrial assembly requirement, such as bonding, fixing, sealing, potting, and encapsulating of metal and plastic materials. Light curing mechanism is convenient for assembly when alignment and positioning are required. MXBON Light Cure Adhesive can be used with the continuous automation dispenser to improve the productivity. The formula of MXBON Light Cure Adhesive won't damage the plastic, and provides excellent impact and weather resistance.

**41131 低黏度 UV快速固化 PVC塑膠通用型**

*Low viscosity, fast curing by UV, for PVC plastic general purpose*

可柔軟連接應力敏感塑料  
低黏度適合緊密公差的組裝黏接  
特別適用於金屬與軟質或硬質之PVC塑料黏接,也可用於玻璃及陶瓷材料  
Provides flexible bonds when joining stress-sensitive plastics.  
Low viscosity for the small tolerance components bonding.  
Especially suitable for bonding metal to soft/ hard PVC such as disposable medical equipment, and it can also be used on glass and ceramic materials.

**41431 低黏度 UV固化 不鏽鋼&塑膠對應**

*Low viscosity, fast curing by UV, for stainless steel and plastic bonding*

適合緊密公差的組裝黏接  
對金屬、塑料、玻璃等多類基材皆可提供優異接著力  
特別適用於不鏽鋼與塑料,且可滿足較小接著面積的黏接應用  
Ideal for precision assemblies with tight tolerances.  
Provides excellent adhesion on a wide range of substrates including metal, plastic, and glass.  
Specifically formulated for stainless steel and plastic bonding, especially effective for applications involving small bonding areas.

**41132 中黏度 UV快速固化 PVC塑膠通用型**

*Mid viscosity, fast curing by UV, for PVC plastic general purpose*

可柔軟連接應力敏感塑料  
有搖變性,方便施膠後避免膠體溢流,中黏度可應用於一般間隙填補  
特別適用於金屬與軟質或硬質之PVC塑料黏接,也可用於玻璃及陶瓷材料  
Provides flexible bonds when joining stress-sensitive plastics.  
Thixotropic and mid-viscosity liquid, avoid overflow after applying and can be used for gaps filling.  
Especially suitable for bonding metal to soft/ hard PVC and it can also be used on glass and ceramic materials.

**41433 膏狀 UV快速固化 金屬/塑膠對應**

*Gel type, fast curing by UV, for the metals and plastics*

可柔軟連接應力敏感塑料  
有搖變性,方便施膠後避免膠體溢流  
於大間隙填補(0.25mm)之應用,充分給予接著面積上良好的承重以及耐衝擊  
特別適用於軟質或硬質之PVC與PC之塑料黏接,也可應用於多種類塑料與金屬、玻璃材料  
Provides flexible bonds when joining stress-sensitive plastics.  
Thixotropic and gel type, avoid overflow after applying.  
Can be used on larger gap(0.25mm) filling. Provides great loading capability and impact resistance.  
Especially for bonding soft/hard PVC and PC plastics, and it can also be used on various types of plastics, metals and glass materials.

**產品技術資料 Technical Information**

型號 Item No.	外觀顏色 Appearance	光源 Activator	適合材質 Suitable Bonding Substrates			黏度 Viscosity mPa.s(cP)	表乾/初固 Tack Free Time /Fixture Time 固化深度 Depth of curing	剪切強度 Shear Strength N/mm <sup>2</sup>	硬度 Hardness	工作溫度 Working Temp. °C	其他固化機制 Other Curing Factor
			塑膠 Plastic	玻璃 Glass	金屬 Metal						
41011	無色透明 至淡黃色液體 Colorless to transparent yellowish liquid	UV光 可見光 UV light Visible light	◆◆◆	◆	◆	14,000-24,000	20s/5s 13mm@60s	11 (PC)	D 45	-54°C-149°C	
41131	淡黃色液體 Yellowish liquid	UV光 可見光 UV light Visible light	◆◆◆	◆	◆	200-400	20s/5s 25mm@60s	12 (PC)	D 60	-54°C-149°C	
41132	無色透明 淡黃色液體 Colorless transparent yellowish liquid	UV光 可見光 UV light Visible light	◆◆◆	◆◆	◆	3,500-7,500	20s/5s 16mm@60s	11.5 (PC)	D 62	-54°C-149°C	
41352	透明 琥珀色液體 Transparent amber liquid	UV光 UV light	◆◆◆	◆◆◆	◆	14,000-25,000	15s/6s 5mm@60s	16.2 (Steel to Glass)	D 55	-54°C-150°C	結構膠專用促進劑 037380 037387 Activator 037380 037387 熱烤 Heat cure 30min.@120°C
41430	無色透明 至混濁液體 Colorless transparent to turbid liquid	UV光 可見光 UV light Visible light	◆◆◆	◆◆	◆	8,000-14,000	20s/5s 16mm@60s	11 (PC)	D 58	-54°C-149°C	
41431	淡黃色液體 Yellowish liquid	UV光 可見光 UV light Visible light	◆◆	◆◆	◆◆	200-400	20s/5s 5mm@60s	12 (PC)	D 60	-54°C-149°C	
41433	骨白 到米色膏狀 White to beige gel	UV光 可見光 UV light Visible light	◆◆◆	◆◆	◆◆	18,000-35,000	20s/5s 30mm@60s	11 (PC to AL)	D 65	-54°C-149°C	

\*此列表之內容與數據皆以其產品技術資料表(TDS)為準。在決定選用接著劑之前,建議先進行實際測試以確保產品性能。

\*The content and data within this list are based on the respective Technical Data Sheets (TDS) of each product. Before deciding on the adhesive to use, it is recommended to conduct actual tests to ensure product performance.

**41352 高黏度 多元固化機制結構膠 金屬/玻璃對應**

*High viscosity, multiple curing mechanism structural adhesive, for metal and glass*

多元固化機制:UV+促進劑+熱烤,應用靈活度高  
可用於大間隙接著,硬化後具有高效的耐震動及耐衝擊能力  
可作黏接、密封、披覆於金屬及玻璃零件之工業應用,如電機設備單元及零件、器具或裝飾性部件  
UV, activator and heat curing mechanism, highly flexible application.  
For large gaps and provides high vibration and impact resistance after fully curing.  
It can be used for bonding, sealing and coating metal and glass parts in industrial applications, such as electrical parts/components, appliances or decorative parts.