

Definition / Tanımlama

PURINELAS CM 1045D is a two-component, solvent-free, cold-curing, MDI based polyurethane elastomer system.

Application Area / Uygulama Yeri

PURINELAS CM 1045D is used as a molding materials, metal forming pads, core box liners, etc.

Advantages / Avantajlar

- Fast curing time due to its two component design
- Can be demoulded after 16 hours

Technical Properties / Teknik Özellikler

No	Test	Result / Sonuç (A)	Result / Sonuç (B)	Result / Sonuç (A+B)	Unit / Birim	Test Code
1	Appearance	White	Yellow	White	-	
2	Viscosity	200-250	850	600	cP (23°C)	ASTM 2196
3	Density	1,05	1,03	1,04	g/cm3 (23°C)	ISO 2811
4	Solid content	100	100	100	%	ISO 3251
5	Hardness	-	-	45	Shore D	ASTM D 2240
6	Maximum tension	-	-	> 3,00	N/mm2	ASTM D 412
7	Pot Life (23oC)	-	-	20	minute	ISO 9514
8	Application temperature	-	-	(+10) - (+30)	°C	
9	Curing	-	-	16	hour	ASTM D 7487
10	Final curing	-	-	7 - 10	days	

Preparation / Hazırlık

The application area must be dry and clean. Absorbent surfaces must be sealed. In order to be easily removed from the mold, a mold release agent should be applied to the areas where the mold and polyurethane contact. The applied mold release agent must be allowed to dry.

Application / Uygulama

The product, designed as two-components, must be avoided in contact with water. Before starting the process, PURINELAS CM 1045D should be mixed in itself at low speed. A and B components should be mixed until a homogeneous mixture is obtained in a clean container according to the mixing ratio given in the technical specification table. After the components are mixed, the product should be rested for 1 minute in order to avoid air bubbles in the product, and after it is rested for 1 minute, it is applied. After mixing both components according to the given mixing ratio, the application must be made within 20 minutes. Otherwise, the product will cure in the container, and application cannot be made.

Cleaning / Temizlik

After the application, the equipment used should be cleaned with suitable solvent.

Packing / Paketleme

PURINELAS CM 1045D is shipped as standart net 24 kg with metal buckets. Different packaging preferences can be designed according to the mixing ratio.

Storage / Depolama

PURINELAS CM 1045D is stored in its packaging at a temperature of 5-30 oC without opening the cap, its shelf life is 12 months. Since the product reacts with moisture in the air, it is recommended to use the opened packages completely. It is recommended that the half packages you do not use, should be closed very well and if possible, nitrogen gas should be used in the closing process.

Safety and Health / Güvenlik ve Sağlık

PURINELAS CM 1045D-B contains isocyanates. Since the product reacts in contact with water, avoid contact with your eyes. Therefore, gloves and goggles should definitely be used while working. Since it is solvent-free, it is not necessary to use any mask especially. If the product comes into contact with your skin, wash with plenty of water and soap. Dispose of the packages after use in accordance with the regulations.

Note

The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Bu teknik formdaki veriler kendi deneyimlerimiz ve bilgilerimiz referans alınarak hazırlanmıştır. Ancak bağlayıcılığı yoktur. Yapıya, uygulama amacına ve özellikle yerel koşullara göre ayarlanmalıdır. Verilerimiz, uygulama sırasında uyulması gereken mühendislik kurallarını referans almıştır. Satış teslim, hizmet şartlarımız ve koşullarımız kapsamında bu verilerin doğruluğundan sorumlu olmaktayız. Çalışanlarımızın bilgilendirme formlarımızdaki yer alan verilerden farklı önerileri ancak yazılı olarak verilmesi halinde bağlayıcıdır. Kabul edilen mühendislik kurallarına her zaman uyulmalıdır.

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