

# TECHNICAL DATA SHEET (TDS)



First Release Date: 19.11.2016 Revision No and Date: 00/-

## GELCOAT KJ-200 IRAN KETONE

### 01 PRODUCT DESCRIPTION

Isophthalic -NPG, acrylic modified, preaccelerated, spray type high performance transparent gelcoat.

### 02 CHARACTERISTICS

KG-200 gelcoat is specifically designed for applications requiring high gloss and UV resistance. Due to its flexible structure, highly resistant to cracking. Also available as colored.

### 03 FIELD of APPLICATION

- Equipment's for pools and water slides
- Boats and other sea vessels
- Car, bus and truck body parts
- Sanitary materials such as kitchen top, kitchen sink, bath tub
- City furniture and surface covering
- Chemical material storage tank
- Playground equipment for children

### 04 APPLICATION

Spray gun

### 05 PACKING DETAILS

Type	Quantity
Drum	220 kg net
Pail	20 kg net

### 06 SHELF LIFE

5 months as of production date under appropriate storage conditions.

### 07 STORAGE CONDITIONS

- Must be kept in original packing at 20 °C maximum temperature in dark and dry clean mediums.
- Avoid exposure to direct sunlight.
- The product is flammable and must be kept away from flame.

### 08 SAFETY DETAILS

The related MSDSs can be requested from our company.

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### 09 TECHNICAL PROPERTIES

PROPERTIES AS SUPPLIED			
Analysis Type	Unit	Test Method	Value
Density at 20°C	g/cm <sup>3</sup>	ISO 1675	1.09 – 1.11
Viscosity (20°C) Brookfield RVT, 20 rpm #5	cps	ISO 2555	2000 – 4000
Thixotropic index		ISO 2555	4.5 – 5.0
Monomer content	%	ISO 3251	41 – 45
Gel time	min	ILKALEM TL-06	10 - 20 (*)
Exothermic peak	°C	ILKALEM TL-06	200 - 220 (*)

PROPERTIES OF CURED RESIN (**)			
Analysis Type	Unit	Test Method	Value
Tensile strength	MPa	ISO 527	60 - 70
Tensile elongation	%	ISO 527	1.5 – 2.5
Tensile modulus	MPa	ISO 527	4000 - 4500
Flexural strength	MPa	ISO 178	110 - 120
Flexural elongation	%	ISO 178	2 – 3
Flexural modulus	MPa	ISO 178	4000 - 4500
Heat distortion temperature	°C	ISO 75	95 – 97
Hardness ( GYZJ 934-1)		DIN EN 59	30 – 40
Water absorption	mg	ISO 62	30 - 35

(\*): %1 MEK-P  
Polyester temperature : 20°C  
Room temperature : 25°C  
(\*\*): Tests applied as polyester following post cure application.