

TECHNICAL DATA SHEET (TDS)

First Release Date: 21.01.2016 Rev. No ve Date: 00/-

İLKESTER® P-055**01 PRODUCT DESCRIPTION**

Orthophthalic based casting type unsaturated polyester resin with a high-filling capacity.

02 CHARACTERISTICS

- High-filler capacity
- Minimizes cracking
- Low volumetric shrinkage

03 FIELDS of APPLICATIONS

- Sinks & kitchen countertops
- Artificial marbles
- Bathtubs
- Souvenirs
- Industrial casting applications

04 METHODS of USE

For all types of casting applications.

05 PACKING DETAILS

Packing Form	Quantity
Pail	18 kg
Barrel	230 kg
IBC	1000 kg
Iso-Container	25000 kg

06 SHELF LIFE

Shelf life is 6 months from date of production at proper storage conditions.

07 STORAGE CONDITIONS

- Must be kept in original packing at 20°C maximum temperature in dark and dry place, closed tightly.
- Avoid exposure to direct sunlight.
- Polyester is flammable and must be kept away from open flames.

08 SAFETY DETAILS

The related MSDSs can be requested from our company.

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İLKESTER® P-055**09 TECHNICAL PROPERTIES**

PROPERTIES AS SUPPLIED			
Analysis Type	Unit	Test Method	Value
Density, 23°C	g/cm ³	ISO 1675	1,121
Viscosity (23°C) Brookfield RVT, 30 rpm #3	cps	ISO 2555	450 - 600
Styrene content	%	ISO 3251	34 – 36
Acid value	mgKOH/g	ISO 2114	29 – 30
Gelation time	minute	İLKALEM TL-06	7 – 9 (*)
Exothermic peak	°C	İLKALEM TL-06	150 - 160 (*)

PROPERTIES OF CURED RESIN (**)			
Analysis Type	Unit	Test Method	Value
Tensile strength	MPa	ISO 527	65
Tensile elongation	%	ISO 527	2,55
Flexural strength	MPa	ISO 178	139
Water Absorption	%	ISO 62	0,15
HDT (0,43 MPa)	°C	ISO 75	53 - 63
Hardness (GYZJ 934-1)	-	DIN EN 59	45
Volumetric Shrinkage	%	ISO 2114	7,03

(*) : % 0,2 Co(%6) + %1 MEK-P
Polyester temperature : 23°C
Room temperature : 23°C
(**) : after post cure.

10 FURTHER DETAILS

For further details regarding our products you can call up our phone numbers +90 212 217 55 75 and +90 216 593 13 16.

11 IMPORTANT NOTE

No responsibility can be assumed by İLKALEM TİCARET VE SANAYİ A.Ş. for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from hazards inherent in the nature of the product.

12 REVISION NUMBER AND JUSTIFICATION

N/A