

# BA611 100% Solid Grade Thermoplastic Acrylic Resin

## Introduction

(주)LX MMA는 자사의 고유한 중합 기술을 기반으로 다양한 Beads 제품을 생산하고 있습니다.

BA611은 Hardness가 매우 높고 우수한 내구성 및 내후성을 보이며 접착력, 안료 분산 및 내스크래치성이 우수한 Methacrylic 수지입니다.

BA611은 paint, inks & calendaring varnish 용도에 적합한 저 분자량 제품입니다.

## Typical Application

- Paints
- Inks
- Calendaring varnishes

## Physical Properties

Appearance	Powder
Solid content, mass %	100
Molecular weight (Mw, ave.)	40,000
Density @ 25°C, kg/liter	1.21
Brookfield viscosity at 23°C, cPs (40% solution in MEK)	520
Glass transition temperature (°C)	105
Acid value (mg KOH/g)	2

REMARKS : The listed values should be used for reference purpose only.

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## Resins Viscosity in Various Solvents

Grade	Alcohol				Ester		Hydrocarbon		Ketone	
	Methanol	Ethanol	IPA	Butanol	Ethyl Acetate	Ethyl Acetate	Toluene	Xylene	Acetone	MEK
BA030	Insoluble	Insoluble	Insoluble	Insoluble	100 <sup>30</sup>	105 <sup>30</sup>	700	170 <sup>30</sup>	250	260
BA122	Insoluble	Insoluble	Insoluble	P.S.	290	410	310	480	150	140
BA123	Insoluble	Insoluble	Insoluble	P.S.	300	410	350	555	150	140
BA140	Insoluble	Insoluble	Insoluble	Insoluble	170 <sup>30</sup>	2,340	2,300	75 <sup>20</sup>	490	610
BA141	Insoluble	Insoluble	Insoluble	Insoluble	100 <sup>30</sup>	1,150	830	1,400	360	350
BA410	Insoluble	Insoluble	Insoluble	Insoluble	315	445	340	600	160	160
BA525	Insoluble	Insoluble	Insoluble	Insoluble	200 <sup>30</sup>	280 <sup>30</sup>	130 <sup>20</sup>	P.S.	970	1,050
BA531	Insoluble	Insoluble	Insoluble	Insoluble	770 <sup>30</sup>	80 <sup>20</sup>	8,500	90 <sup>20</sup>	7,280	6,600
<b>BA611</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>110<sup>30</sup></b>	<b>1,600</b>	<b>1,070</b>	<b>50<sup>20</sup></b>	<b>530</b>	<b>520</b>
BA720	Insoluble	Insoluble	Insoluble	Insoluble	270 <sup>30</sup>	440 <sup>30</sup>	2,430	65 <sup>20</sup>	155 <sup>30</sup>	2,130
BN720	Insoluble	Insoluble	Insoluble	Insoluble	220 <sup>30</sup>	380 <sup>30</sup>	2,300	63 <sup>20</sup>	140 <sup>30</sup>	1,780

- Values are Brookfield viscosity (cP), at 23°C of a 40% solids solution, except as noted.
- Superscript indicates % solids.
- I.S. : Insoluble / P.S. : Partially soluble (Test Method : Solubility 20wt% resin at room temperature )

## Safe Handling Information

제품의 취급 및 환전안경에 관한 정보는 (주)LX MMA에서 제공하는 물질 안전 보건 자료(MSDS)를 참고하여 주시길 바랍니다.