

# BN600 100% Solid Grade Thermoplastic Acrylic Resin

## Introduction

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

BN600은 Hardness가 매우 높고 우수한 내구성 및 내후성을 보이며 접착력, 안료 분산 및 내스크래치성이 우수한 Methacrylic 수지입니다.

BN600은 paint, inks & calendaring varnish 용도에 적합한 저분자량 제품입니다.

## Typical Application

- Paints
- Inks
- Calendaring varnishes

## Physical Properties

Appearance	Powder
Solid content, mass %	100
Molecular weight (Mw, ave.)	20,000
Density @ 25°C, kg/liter	1.20
Brookfield viscosity at 23°C, cPs (40% solution in MEK)	95
Glass transition temperature (°C)	101
Acid value (mg KOH/g)	<1

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	Methyl Acetate	Ethyl Acetate	Isopropyl Acetate	Toluene	Xylene	Acetone	MEK
BA030	Insoluble	Insoluble	Insoluble	Insoluble	100 <sup>30</sup>	105 <sup>30</sup>	<b>810</b>	700	170 <sup>30</sup>	250	260
BA122	Insoluble	Insoluble	Insoluble	P.S.	290	410	610	310	480	150	140
BA123	Insoluble	Insoluble	Insoluble	P.S.	300	410	660	350	555	150	140
BA124	Insoluble	Insoluble	Insoluble	P.S.	230	270	-	465	635	100	105
BA140	Insoluble	Insoluble	Insoluble	Insoluble	170 <sup>30</sup>	2,340	330 <sup>30</sup>	2,300	75 <sup>20</sup>	490	610
BA141	Insoluble	Insoluble	Insoluble	Insoluble	100 <sup>30</sup>	1,150	190 <sup>30</sup>	830	1,400	360	350
BA410	Insoluble	Insoluble	Insoluble	Insoluble	315	445	790	340	600	160	160
BA525	Insoluble	Insoluble	Insoluble	Insoluble	200 <sup>30</sup>	280 <sup>30</sup>	560	130 <sup>20</sup>	P.S.	970	1,050
BA531	Insoluble	Insoluble	Insoluble	Insoluble	770 <sup>30</sup>	80 <sup>20</sup>	3,130 <sup>30</sup>	8,500	90 <sup>20</sup>	7,280	6,600
BA611	Insoluble	Insoluble	Insoluble	Insoluble	110 <sup>30</sup>	1,600	360 <sup>30</sup>	1,070	50 <sup>20</sup>	530	520
BA720	Insoluble	Insoluble	Insoluble	Insoluble	270 <sup>30</sup>	440 <sup>30</sup>	1,460 <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
<b>BN600</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>Insoluble</b>	<b>170</b>	<b>240</b>	<b>440</b>	<b>210</b>	<b>70<sup>30</sup></b>	<b>80</b>	<b>95</b>

- 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.