

## BX IM 81 Transparent Impact modifier

### Product description

BX IM 81 is an acrylate impact modifier with core-shell structure. It can give PVC outdoor transparent products excellent impact strength and weather resistance.



### Product benefits



- Promoting plasticization
- Improving impact strength without affecting transparency
- Improving Weather Resistance

### Technical specifications

Specification	Unit	Test standard	BX IM-81
Appearance	--	--	White powder
Bulk density	g/cm <sup>3</sup>	GB/T 1636-2008	0.45±0.10
Sieve residue (30 mesh)	%	GB/T 2916	≤2.0
Volatile content	%	ASTM D5668	≤1.30
Glass transition temperature	°C	GB/T 19466	-30.7±1.0

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### Mechanical properties testing

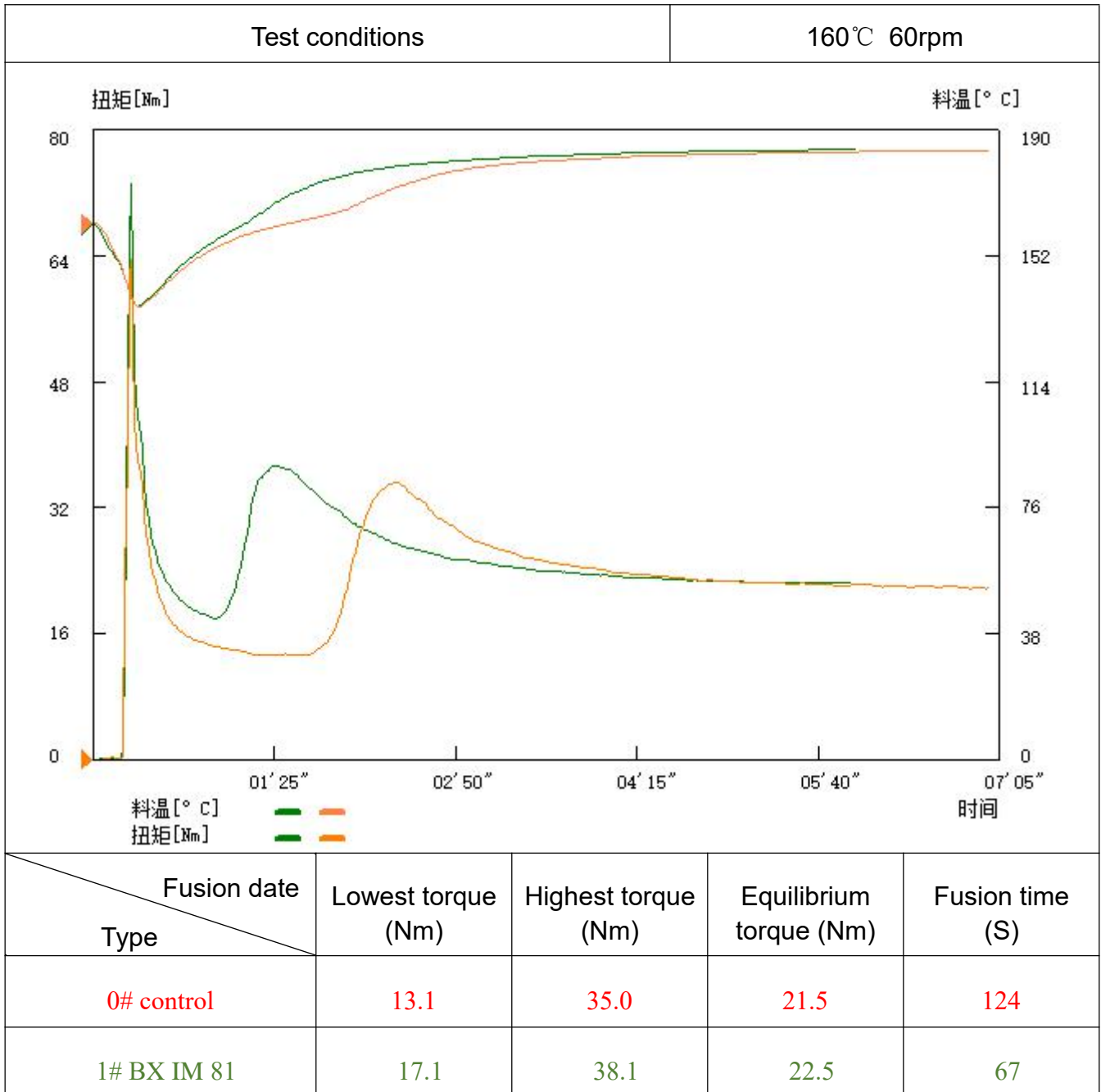
Index sign	Single digit	Testing standard	0#control	BX IM-81
0°C impact strength	KJ/m <sup>2</sup>	GB/T 1043.1-2008	8.2±0.34	15.4±0.25
Transmittance	%	ASTM D1003-00	90.2	89.2
Haze	-	ASTM D1003-00	2.98	4.28

### Mechanical properties comparison

Formula Q# composition	1# Control	BX IM-81
	PVC (K-57)	100.00
HG-60	1.00	1.00
HG-74	0.50	0.50
Tin stabilizer	0.80	0.80
Processing aids HPA-20	1.00	1.00
BX IM 81	—	6.00

Test equipment type: RM-200C torque rheometer from Harbin Hapro Electrical technology Co., Ltd

Volume: 60ml



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## **Product application**

BX IM 81 can be used in outdoor transparent PVC products, such as corrugated board, sign board, building materials, PVC sheets and membranes, for its unique properties of transparency, weatherability and impact strength.

## **Packaging and storage**

25Kg/package or as required by customers.

The product should be kept clean during transportation and handling, prevent sunshine, rain, high temperature and humidity, and avoid damage to packaging. It should be stored in a cool, dry, sunless warehouse with temperature below 40 C for two years. It can still be used after two years' performance test.

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