

NISSO-PB

日本曹達株式会社

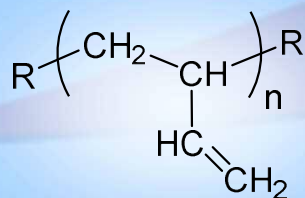
化学品事業部

リビング・アニオン技術の変遷

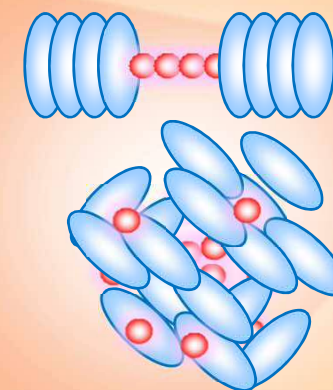
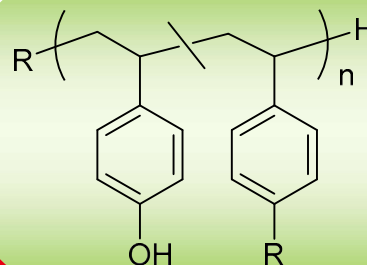
Technology Value

Custom Designed
Control of High Purity

Narrower Dispersion
Control of Mn



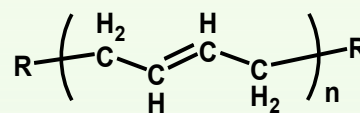
Narrower Dispersion
Control of High Purity



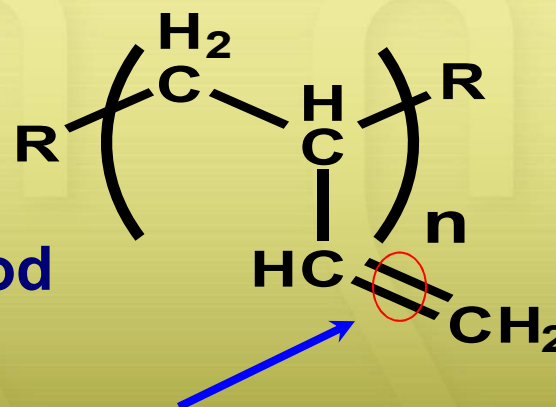
Year

NISSO-PBのケミストリー

Conventional Method



NISSO Original Method



R= -H

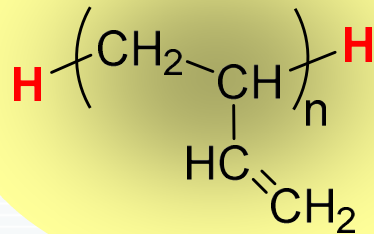
R= -CH₂CH₂-OH

ビニル基による高い反応性がありメインポリマーだけでなく可塑剤・架橋剤として様々な分野で実績があります。

NISSO-PB 製品群

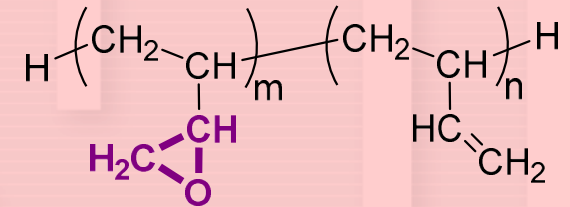
低Tg化

B-series

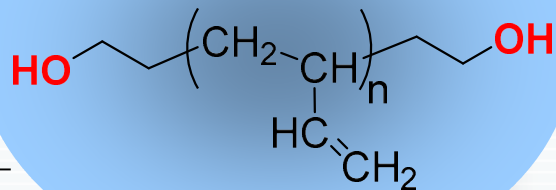


エポキシ樹脂への
相溶性向上

JP-series

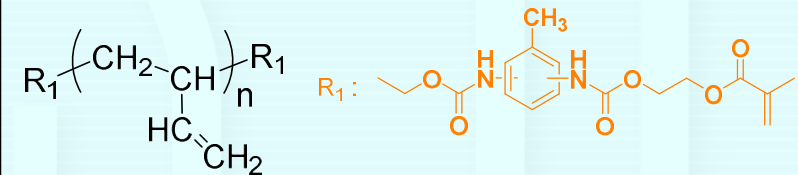


G-series

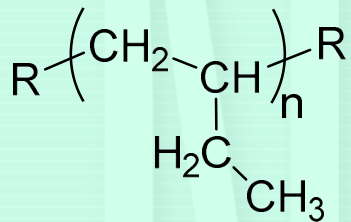


末端基の反応
性向上

TE-series



BI/GI-series



低Tg化

硬化後の安定性向上

NISSO-PB 製品一覧

	物性				適応用途					
	末端	1,2Vinyl変性	Mn	1,2Vinyl	粘度 (Poise@45C)	Tg(°C)	ゴム改質	接着剤	塗料	絶縁材料
B-1000			1,200	85	10	-44	*			*
B-2000	H	なし	2,100	88	65	-29	*			*
B-3000			3,200	92	210	-21	*			*
BI-2000	H	水素化	2,200	<7	60	-51	*			*
BI-3000			3,300	<7	180	-44	*			*
G-1000			1,400	85	75	-25		*	*	
G-2000	OH	なし	1,900	88	140	-19		*	*	
G-3000			3,000	92	310	-15		*	*	
GI-1000			1,500	<7	105	-44		*	*	
GI-2000	OH	水素化	2,000	<7	165	-42		*	*	
GI-3000			3,100	<7	315	-37		*	*	
TEAI-1000	ウレタンアクリレート	水素化	2,000	<7	3000	-14		*		
TE-2000	ウレタンメタクリレート	なし	2,500	88	1500	-9		*		*
JP-100			1,300	>70	220	-16			*	*
JP-200	H	エポキシ化	2,200	>70	1000	-7			*	*

各国法令対応状況

	CAS No.	日本(化審法)	米国(TSCA)	欧州(REACH)	韓国
B-1000					
B-2000	9003-17-2	6-720	Listed	Listed	KE-03724
B-3000					
BI-2000	68954-09-06	6-749	Listed	Listed	2000-3-1529
BI-3000					
G-1000					
G-2000	69102-90-5	6-722 *	Listed	Listed	KE-03730
G-3000					
GI-1000					
GI-2000	68954-10-9	6-749	Listed	Listed	KE-20897
GI-3000					
TEAI-1000	1345023-61-1	6-3577	NONE	Listed	NONE
TE-2000	68987-46-2	7-843	Listed		KE-10925
JP-100	71342-74-0	6-759	Listed	Listed	KE-03728
JP-200					

*要輸出許可申請

各国法令对应状况

	台湾	中国	AICS (Australian)	NDSL (Canada)	PICCS (Philippines)
B-1000					
B-2000	Listed	Listed	Listed	Listed	Listed
B-3000					
BI-2000	Listed	Listed	Listed	Listed	NONE
BI-3000					
G-1000					
G-2000	Listed	Listed	Listed	Listed	Listed
G-3000					
GI-1000					
GI-2000	Listed	Listed	Listed	Listed	NONE
GI-3000					
TEAI-1000	NONE	NONE	NONE	NONE	NONE
TE-2000	Listed	Listed	Listed	Listed	Listed
JP-100					
JP-200	Listed	Listed	Listed	Listed	Listed