

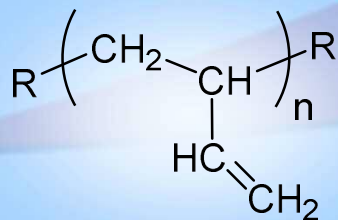


# Growth of NISSO Living Anion Methods

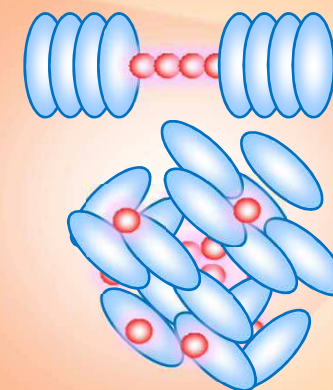
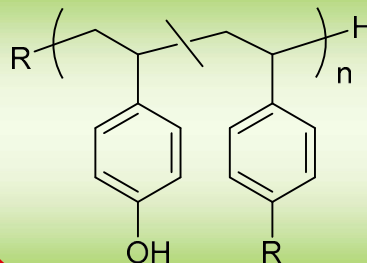
Technology Value

Custom Designed  
Control of High Purity

Narrower Dispersion  
Control of Mn

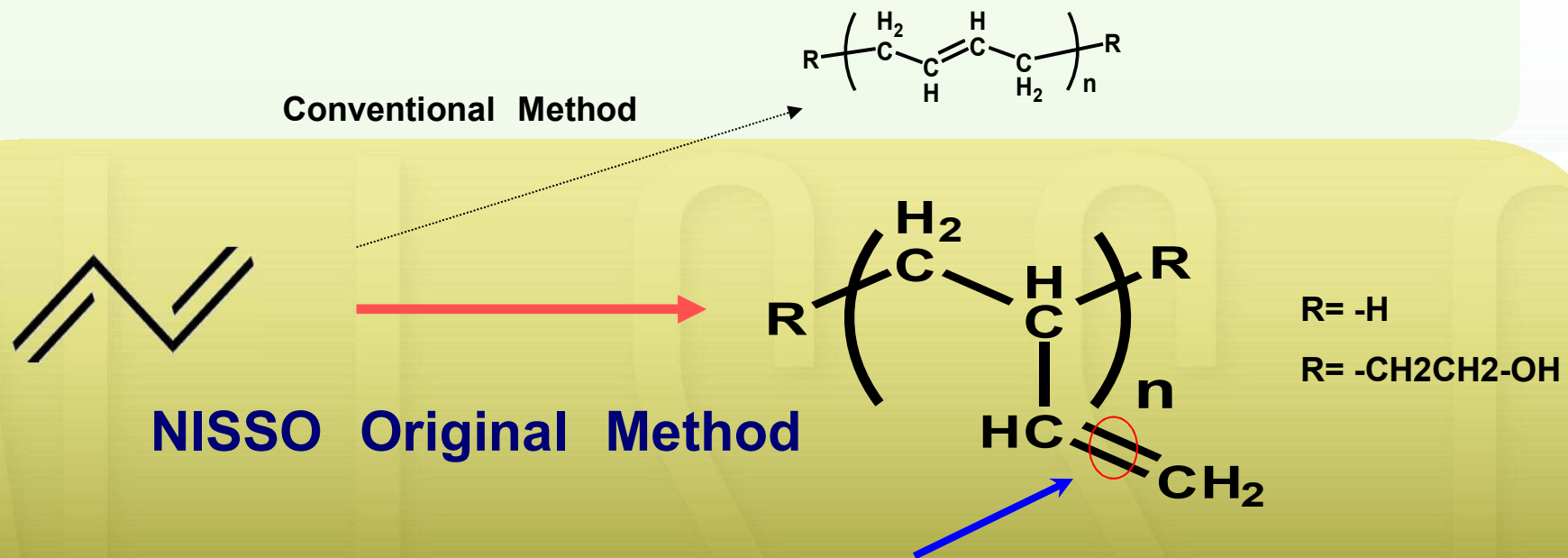


Narrower Dispersion  
Control of High Purity



Year

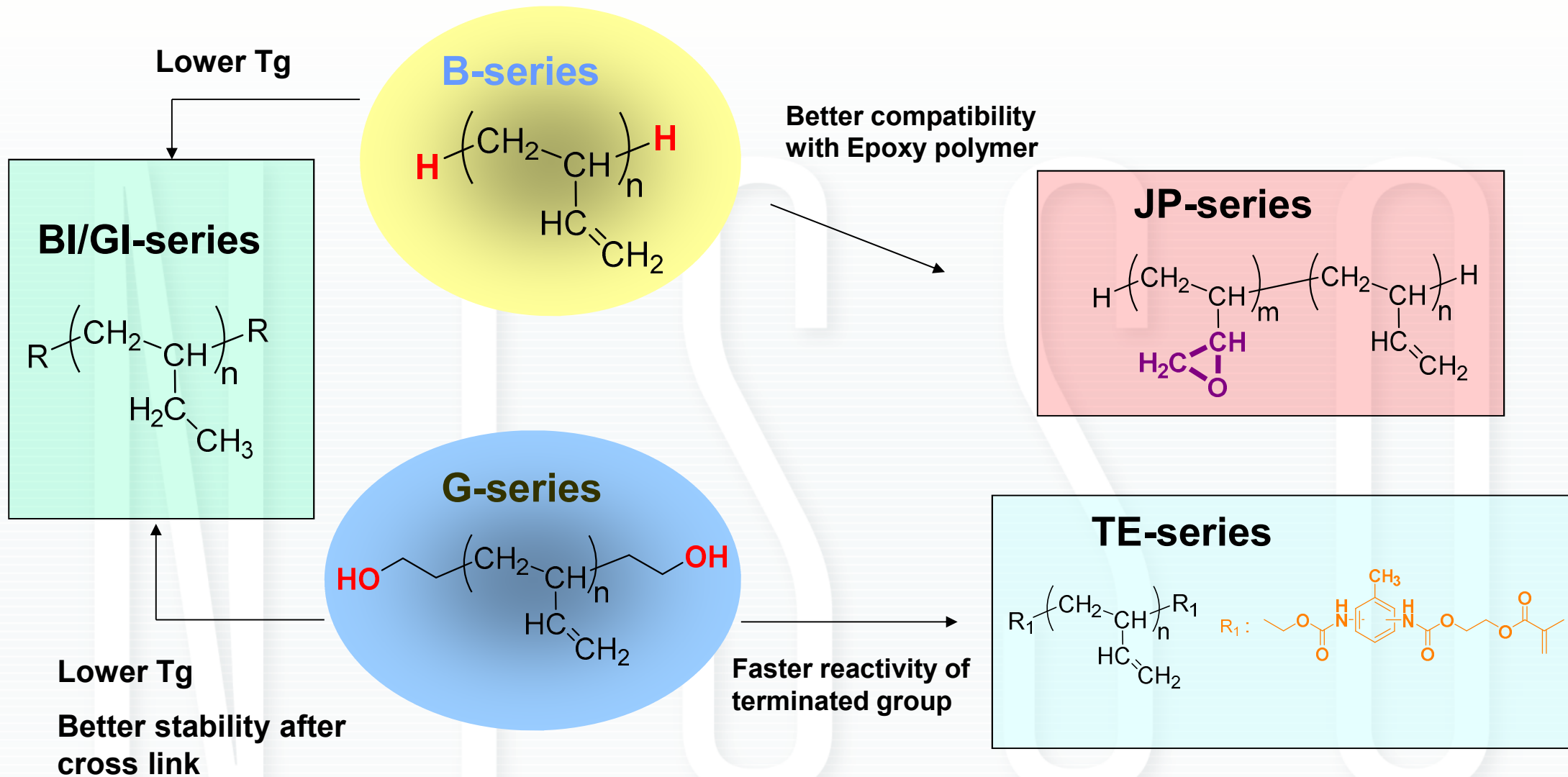
# Chemistry of NISSO-PB



Reaction of 1,2vinyl group is faster than that of 1,4olefin.

NISSO-PB has been used for many years as a cross linker , additive , casting polymer and so on, in multiple industrial areas.

# NISSO-PB



# NISSO-PB

	Terminal	Reacted 1,2Vinyl	Characteristics			T <sub>g</sub> (°C)	Applications			
			M <sub>n</sub>	1,2Vinyl (%)	Viscosity (Poise@45C)		Co agent for Rubber	Adhesive	Paint	Insulating
B-1000			1,200	85	10	-44	*			*
B-2000	H	None	2,100	88	65	-29	*			*
B-3000			3,200	92	210	-21	*			*
BI-2000	H	Hydrogenated	2,200	<7	60	-51	*			*
BI-3000			3,300	<7	180	-44	*			*
G-1000			1,400	85	75	-25		*	*	
G-2000	OH	None	1,900	88	140	-19		*	*	
G-3000			3,000	92	310	-15		*	*	
GI-1000			1,500	<7	105	-44		*	*	
GI-2000	OH	Hydrogenated	2,000	<7	165	-42		*	*	
GI-3000			3,100	<7	315	-37		*	*	
TEAI-1000	Uretane acrylate	Hydrogenated	2,000	<7	3000	-14		*		
TE-2000	Uretane methacrylate	None	2,500	88	1500	-9		*		*
JP-100			1,300	>70	220	-16			*	*
JP-200	H	epoxidized	2,200	>70	1000	-7			*	*

# NISSO-PB Registration

	CAS No.	JAPAN	TSCA	REACH	KOREA
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					

\* Export licence is required

# NISSO-PB Registration

	TAIWAN	CHINA	AICS (Australia)	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