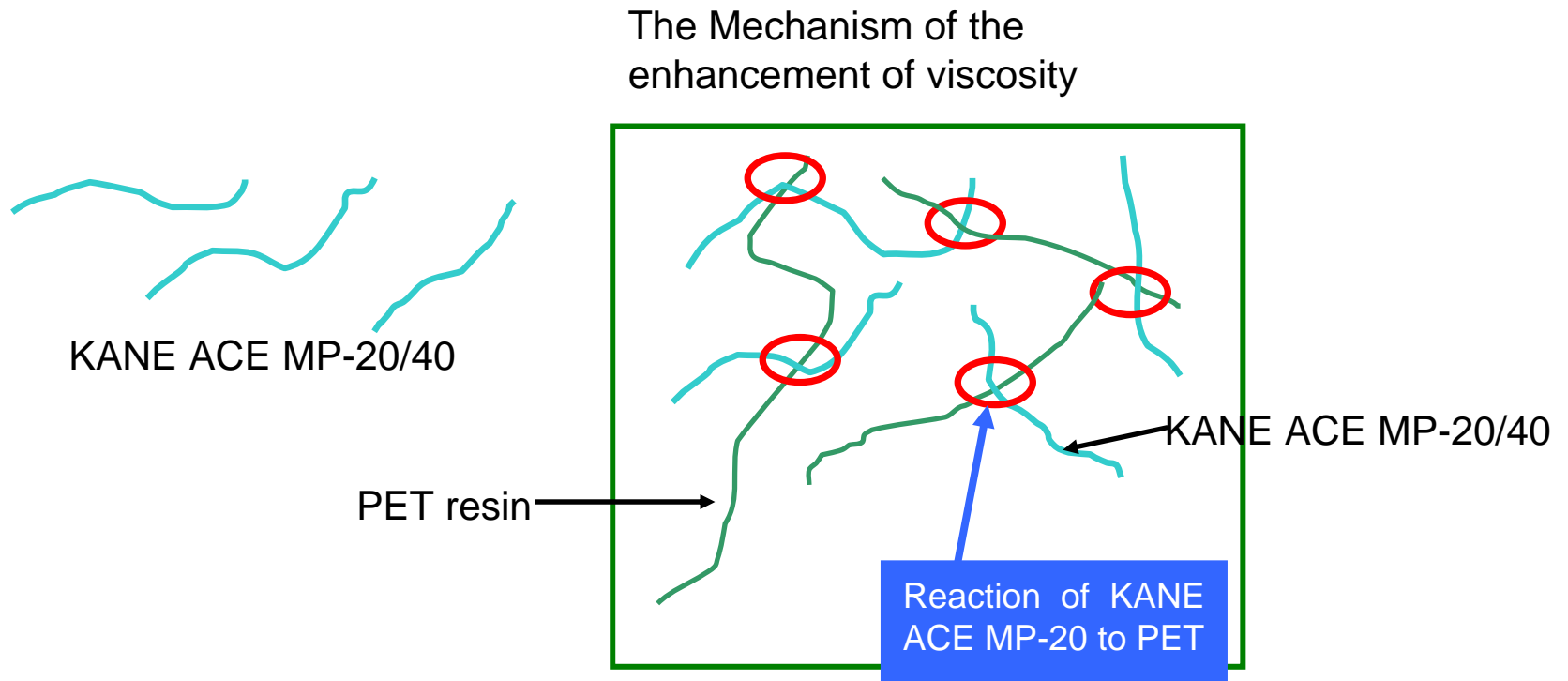




KANE ACE MP-40

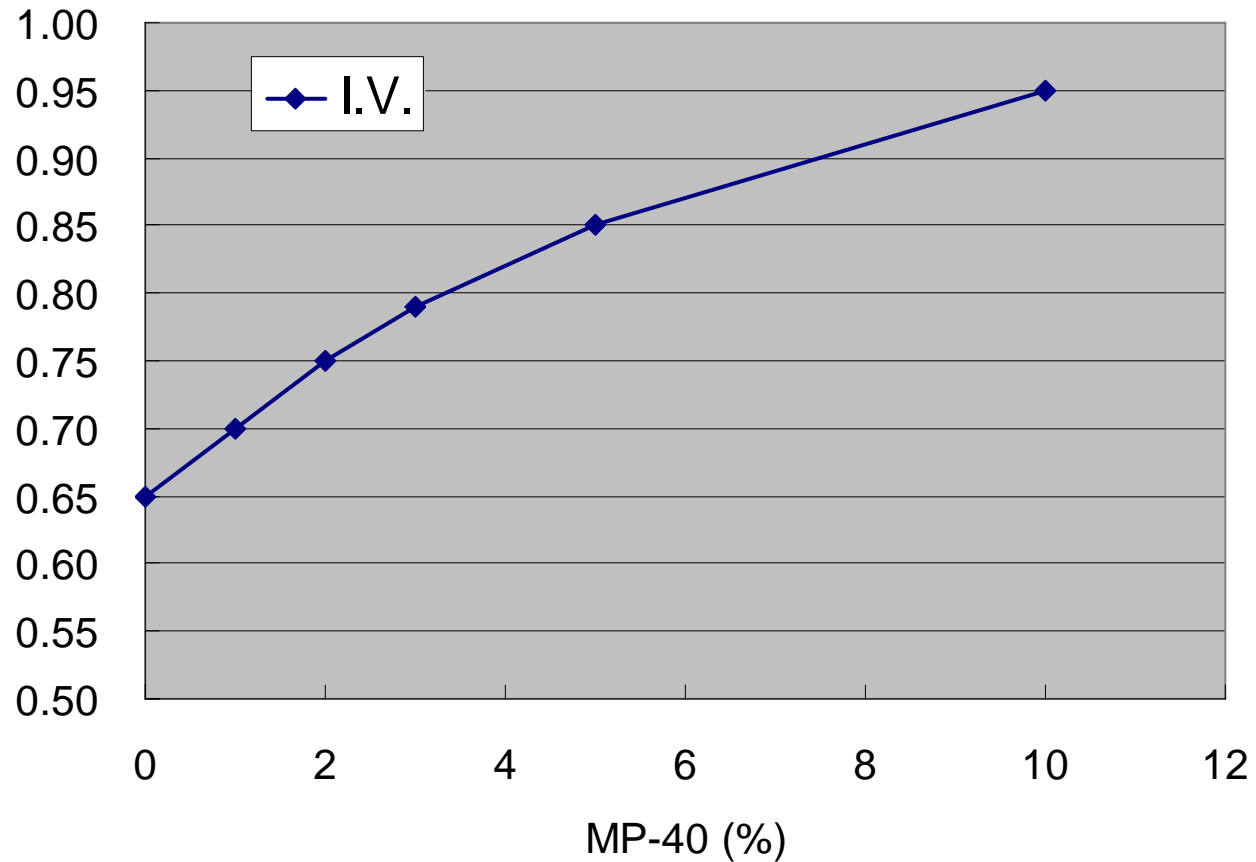
Melt Viscosity Enhancer for Polyester

The Mechanism of the enhancement of viscosity



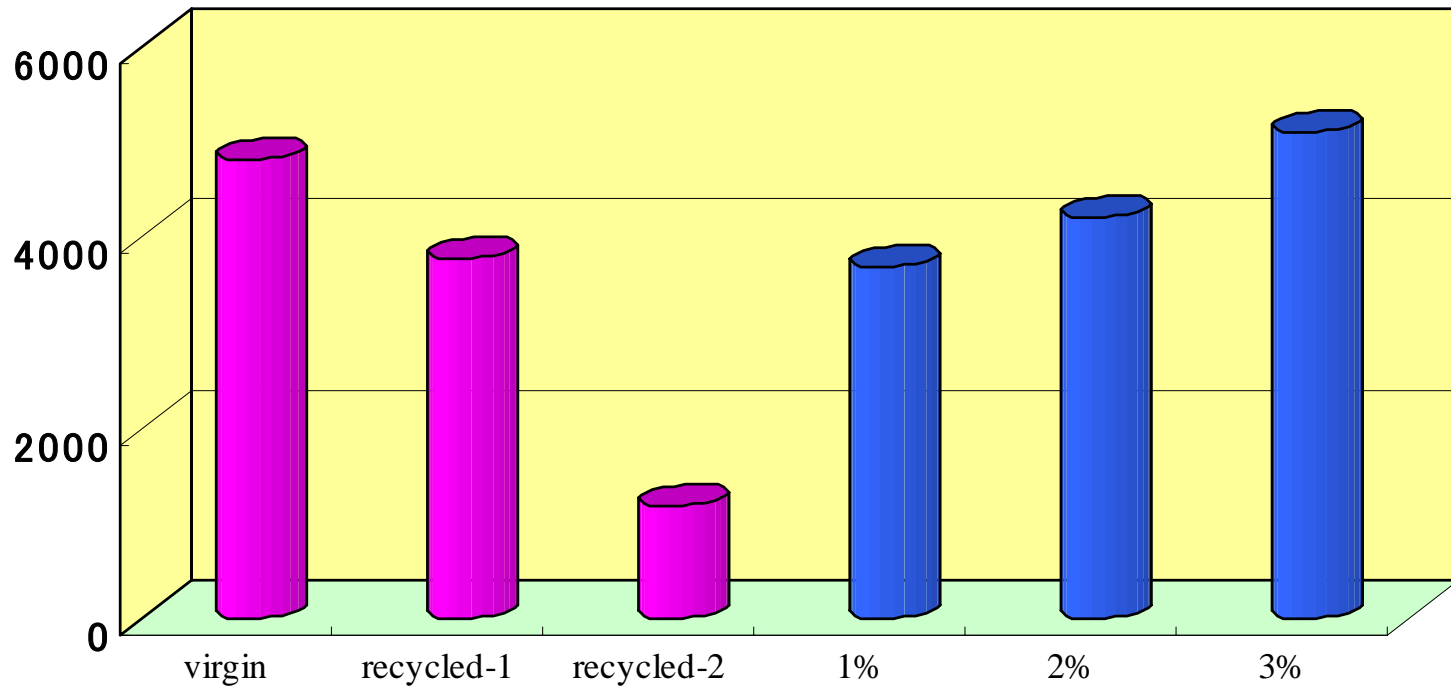
KANE ACE MP-40 sharply enhances the viscosity by the reaction to PET in the molding process.

I.V. Increase with Kane Ace MP-40



Viscosity Enhancement

	PET without modifiers			Once Recycled with MP-40		
	Virgin	Once Recycled	Twice Recycled	1%	2%	3%
Viscosity by Capirograph (poise)	4810	3763	1178	3686	4225	5103



Physical Properties

		Clarity		Color			Tensile Properties					Creep
							23C			105C		105C
		T2 (%)	Haze (%)	L	a	b	Yield stress (Mpa)	Modulus (Mpa)	Elongation %	Yield stress (Mpa)	Elongation %	Elongation %
Control 0.28mm thickness		90.7	1.2	92.9	-0.08	0.5	50.0	1390	370	0.69	> 1000	393
MP-40	0.5%	90.5	1.2	92.8	-0.02	0.7	49.8	1440	420	0.68	860	354
	0.7%	90.5	1.3	92.9	0.00	0.7	51.0	1420	380	0.72	700	298
	1.0%	90.5	1.3	92.9	-0.08	0.8	51.1	1350	380	0.75	640	306
	1.5%	90.4	1.4	92.8	-0.10	0.8	51.3	1410	380	0.76	600	286

Processability (Motor Ampere)

