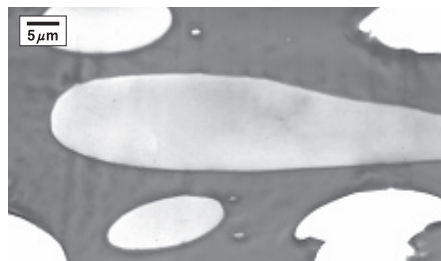


## 1. Properties of PET/PP/DYNARON® 8630P blends

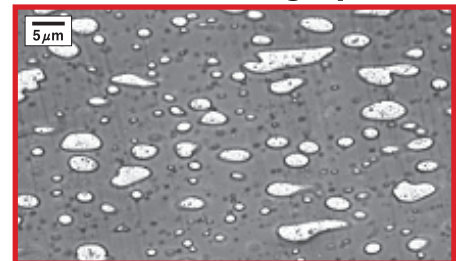
Properties	Unit	Reference method	PET	PP	PET / PP =85 / 15	PET / PP / DYNARON® 8630P =81/14/5
Izod impact	(J/m)	JIS K7110	23	27	34	<b>242</b>
Elongation at break	%	JIS K7113	130	150	10	<b>730</b>
Tensile strength	MPa		55	34	45	39
Specific gravity	g/cm <sup>3</sup>	JIS K7112	1.33	0.9	1.24	1.22

DR8630P functions as a good compatibilizer between PET and polypropylene (PP) and provides the compound with better impact resistance.

## 2. PET/PP/DYNARON® 8630P: Electron micrograph



PET / PP = 85 / 15



PET / PP / DYNARON® 8630P  
= 80.75 / 14.25 / 5

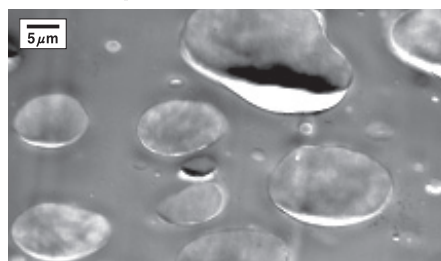
By adding DR8630P, particle size of polypropylene (PP) dispersed in PET is drastically reduced.

## 3. Properties of PET/PP/DYNARON® 4630P blends

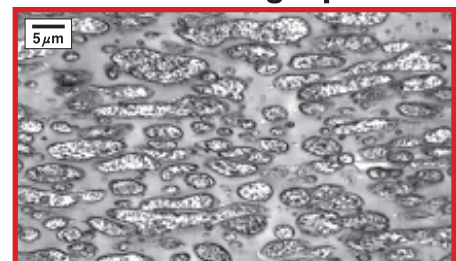
Properties	Unit	Reference method	PET	PE	PET / PE =70 / 30	PET / PE / DYNARON® 4630P =63 / 27 / 10
Izod impact	(J/m)	JIS K7110	23	235	29	<b>711</b>
Elongation at break	%	JIS K7113	130	1000	10	<b>500</b>
Tensile strength	MPa		55	25	41	31
Specific gravity	g/cm <sup>3</sup>	JIS K7112	1.33	0.96	1.19	1.15

DR4630P functions as a good compatibilizer between PET and polyethylene (PE) and provides the compound with better impact resistance.

## 4. PET/DYNARON® 4630P: Electron micrograph



PET / PE = 70 / 30



PET / PE / DYNARON® 4630P  
= 63 / 27 / 10

By adding DR4630P, particle size of polyethylene (PE) dispersed in PET is drastically reduced.