

PRODUCT INFORMATION

Polymer Compatibility

Synthetic Esters

Description

The data in the table below are based on the percentage volume increase after contact with the solvent for 120 h at room temperature. The amount of swell gives an indication of compatibility. Specific plastics should be tested individually.

Polymer Swell Properties

Polymer	ESTISOL 140	ESTISOL 150	ESTISOL 165	COASOL	D60	D100	A III
PMMA	A	–	–	A	A	A	A
NBR	C	C	B	C	B	A	A
EPDM	E	A	A	C	E	E	E
Neopren	E	A	A	C	E	E	E
Silicon rubber	E	A	A	B	E	E	E
PP	A	A	A	A	A	A	A
PE	A	A	A	A	A	A	A
PC	A	A	B	A	A	A	B
PS	A	B	A	A	A	A	A
PVC	A	C	A	A	A	A	A
PA-6	A	A	A	A	A	A	A
Natural rubber	E	B	A	E	E	E	E
Viton	E	E	E	D	A	A	A

D60 = De-aromatised hydrocarbon with flash point 60°C,

D100 = De-aromatised hydrocarbon with flash point 100°C

A III = White Spirit with flash point >55°C.

PMMA = polymethyl methacrylate, NBR = acrylnitrile butadiene rubber, EPDM = ethylene propylene diene rubber, PP = polypropylene, PE = polyethylene, PC = polycarbonate, PS = polystyrene, PVC = polyvinyl chloride, PA-6 = polyamide-6.

Compatibility levels in % v/v swell or shrinkage:

A =	0-5
B =	6-15
C =	16-30
D =	31-50
E =	> 50
– =	dissolved

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Safe Use and Handling

For specific safe use and handling information, or to obtain a Materials Safety Data Sheet, contact Esti Chem A/S.

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