

COPOLYMERIZATION MONOMERS ②

Identity	Product	Structure	ENCS NO.	Properties		
				Appearance	Boiling point °C(mmHg)	Melting point °C
DIBF	Diisobutyl fumarate	$\begin{array}{c} \text{CHCOOCH}_2\text{CH}(\text{CH}_3)_2 \\ \\ (\text{H}_3\text{C})_2\text{HCH}_2\text{COOCCH} \end{array}$	2-1099	Clear liquid	249(760)	
DSBF	Di sec-butyl fumarate	$\begin{array}{c} \text{CHCOOCH}(\text{CH}_3)\text{CH}_2\text{CH}_3 \\ \\ \text{H}_3\text{CH}_2\text{C}(\text{H}_3\text{C})\text{HCOOCCH} \end{array}$	2-1099	Clear liquid		
DOF	Di(2-ethylhexyl) fumarate	$\begin{array}{c} \text{CHCOOC}_8\text{H}_{17} \\ \\ \text{H}_{17}\text{C}_8\text{OOCCH} \end{array}$	2-1099	Clear liquid	197(5)	
MEF	Monoethyl fumarate	$\begin{array}{c} \text{CHCOOC}_2\text{H}_5 \\ \\ \text{HOOCCH} \end{array}$	2-1142	White crystal		68
MBF	Monobutyl fumarate	$\begin{array}{c} \text{CHCOOC}_4\text{H}_9 \\ \\ \text{HOOCCH} \end{array}$	2-1142			40
DMI	Dimethyl itaconate	$\begin{array}{c} \text{CH}_2=\text{CCOOCH}_3 \\ \\ \text{CH}_2\text{COOCH}_3 \end{array}$	2-1130	Colorless solid	208(760)	
DBI	Dibutyl itaconate	$\begin{array}{c} \text{CH}_2=\text{CCOOC}_4\text{H}_9 \\ \\ \text{CH}_2\text{COOC}_4\text{H}_9 \end{array}$	2-1130	Colorless liquid	145(10)	
DOI	Di(2-ethylhexyl) itaconate	$\begin{array}{c} \text{CH}_2=\text{CCOOC}_8\text{H}_{17} \\ \\ \text{CH}_2\text{COOC}_8\text{H}_{17} \end{array}$	2-1130	Colorless solid	190(2)	
MMI	Monomethyl itaconate	$\begin{array}{c} \text{CH}_2=\text{CCOOH} \\ \\ \text{CH}_2\text{COOCH}_3 \end{array}$	2-2615	Colorless solid	149(12)	67
MBI	Monobutyl itaconate	$\begin{array}{c} \text{CH}_2=\text{CCOOH} \\ \\ \text{CH}_2\text{COOC}_4\text{H}_9 \end{array}$	2-1127	Colorless solid		40