

The following supporting information shows the molecular weight value for esterification product

Supporting information 1 Molecular weight of PCTG copolyester esterification product

Sample Code ^a	Feed Ratio	Composition Ratio(NMR) ^b	M _n ^c (g/mol)	M _w ^c (g/mol)	M _w /M _n
	(EG/PDO/CHDM)	(EG/PDO/CHDM)			
PCTG00	0 / 100 / 0	0 / 100 / 0	396	543	1.44
PCTG10	0 / 90 / 10	0 / 88.5 / 11.5	402	576	1.42
PCTG20	0 / 80 / 20	0 / 75.8 / 23.4	420	592	1.42
PCTG30	0 / 70 / 30	0 / 64.5 / 35.5	433	615	1.43

^a Sample codes denote the feed ratio of CHDM to TPA

^b The composition ratio was measured using the relative integrated area of the oxymethylene proton of each of the monomers

^c Number- (M_n) and weight-average (M_w) molecular weights were determined by GPC.