



### PET (Bottle Grade) Resin Specification

NO	ITEM	UNIT	YS-W01	YS-H01	YS-Y01	YS-C01	YS-C02	
			Water Grade	Hot Fill Grade	Oil Grade	CSD Grade	Fast Reheat Grade	
1	Intrinsic Viscosity	dl/g	0.800 ± 0.015	0.780 ± 0.015	0.830 ± 0.015	0.875 ± 0.015	0.870 ± 0.015	
2	Melting Point (DSC method)	° C	249 ± 2.0	253 ± 2.0	248 ± 2.0	249 ± 2.0	246 ± 2.0	
3	Carboxyl End Group	mmol/kg	≤35					
4	Moisture Content	% wt	≤0.4					
5	Color	b-value	---	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
		L-value	---	≥82	≥82	≥82	≥82	≥82
6	Diglycol	% wt	1.3 ± 0.2	1.3 ± 0.2	1.3 ± 0.2	1.3 ± 0.2	1.3 ± 0.2	
7	Acetaldehyde Content	μg	≤10					
8	Powder	mg/kg	≤100					
9	Density	g/cm <sup>3</sup>	1.39 ± 0.01					
10	Ash Content	% wt	≤0.08					
11	Granule Weight	100/g	1.55 ± 0.10					