

Product Category		Clear White PET Flakes			
Product Grade		AAA	AA	A	B
Basic Properties	Intrinsic Viscosity (dL/g) ≥	0.73-0.80	0.73-0.80	0.73-0.80	0.73-0.80
	Melting Point (°C)	255±5	255±5	255±10	255±10
	Colour L Value ≥	65±7	65±7	65±7	65±7
	Colour Lb Value ≤	5	5	5	5
	Colour b Value ≤	-0.15±1.0	-0.15±1.0	-0.15±1.0	-0.15±1.0
	Packing Ratio (g/ml) ≥	0.25-0.45	0.25-0.45	0.25-0.45	0.25-0.48
	Moisture (%) ≤	1.3	1.3	1.5	2
	Conductivity (W/m °C)	<20 if specified by customer			
	Malformed Flakes (%) ≤	0.5	0.5	1	1
	Size (mm)	12-14	12-14	12-14	12-14
Thermal Properties (Tested at 220°C)	PVC ppm ≤	20	50	100	200
	PP/PE ppm ≤	20	30	50	50
	Yellowing / Aging / Oil / Viscose Flakes ppm ≤	400	800	1200	2000
	PS, PC, and Other Low Melting Point Items ppm ≤	50	50	100	200
	All Other Impurities Including ABS, Wood, Labels, etc ppm ≤	30	50	100	200
Other	Labels ppm ≤	20	20	30	50
	Blue Flakes ppm ≤	300	500	800	1000
	Other Coloured Flakes (Excluding Blue) ppm ≤	20	20	50	50
	Dust % ≤	0.1	0.2	0.3	-
	PH ≤	8	8	8	8

Product Category		Blue PET Flakes			
Product Grade		AA	A	B	C
Basic Properties	Intrinsic Viscosity (dL/g) ≥	0.7-0.76	0.7-0.76	0.7-0.76	0.65-0.75
	Melting Point (°C)	255±5	255±5	255±10	255±10
	Colour L Value ≥	60	60	60	60
	Colour Lb Value ≤	5	5	5	5
	Moisture (%) ≤	2	2	2	2
	Malformed Flakes (%) ≤	0.5	0.5	1	1
	Size (mm)	12-14	12-14	12-14	12-14
Thermal Properties (Tested at 220°C)	PVC ppm ≤	50	80	200	300
	PP/PE ppm ≤	30	30	50	100
	Yellowing / Aging / Oil / Viscose Flakes ppm ≤	500	800	1200	2000
	PS, PC, and Other Low Melting Point Items ppm ≤	100	200	300	400
	All Other Impurities Including ABS, Wood, Labels, etc ppm ≤	30	50	250	400
Other	Labels ppm ≤	50	100	200	300
	Other Coloured Flakes (Excluding Blue) ppm ≤	100	150	250	350
	PH ≤	8	8	8	8

Product Category		Green PET Flakes		
Product Grade		A	B	C
Basic Properties	Intrinsic Viscosity (dL/g) $\geq$	0.73-0.80	0.73-0.80	0.73-0.80
	Melting Point ( $^{\circ}$ C)	255 $\pm$ 10	255 $\pm$ 10	255 $\pm$ 10
	Colour L Value $\geq$	65 $\pm$ 7	65 $\pm$ 7	65 $\pm$ 7
	Colour Lb Value $\leq$	5	5	5
	Moisture (%) $\leq$	1.5	2	2
	Malformed Flakes (%) $\leq$	0.5	1	1
	Size (mm)	12-14	12-14	12-14
Thermal Properties (Tested at 220 $^{\circ}$ C)	PVC ppm $\leq$	80	200	300
	PP/PE ppm $\leq$	30	50	80
	Yellowing / Aging / Oil / Viscose Flakes ppm $\leq$	800	1000	1500
	PS, PC, and Other Low Melting Point Items ppm $\leq$	200	300	400
	All Other Impurities Including ABS, Wood, Labels, etc ppm $\leq$	100	300	400
Other	Other Coloured Flakes (Excluding Blue) ppm $\leq$	150	250	350
	PH $\leq$	8	8	8

Product Category		Clear White Oiled PET Flakes		
Product Grade		A	B	C
Basic Properties	Intrinsic Viscosity (dL/g) $\geq$	0.73-0.80	0.73-0.80	0.73-0.80
	Melting Point ( $^{\circ}$ C)	255 $\pm$ 10	255 $\pm$ 10	255 $\pm$ 10
	Colour L Value $\geq$	65 $\pm$ 7	65 $\pm$ 7	65 $\pm$ 7
	Colour Lb Value $\leq$	5	5	5
	Moisture (%) $\leq$	2	2	2
	Malformed Flakes (%) $\leq$	1	2	2
	Size (mm)	16	16	16
Thermal Properties (Tested at 220 $^{\circ}$ C)	PVC ppm $\leq$	200	280	500
	PP/PE ppm $\leq$	30	50	100
	Yellowing / Aging / Oil / Viscose Flakes ppm $\leq$	800	1500	2000
	PS, PC, and Other Low Melting Point Items ppm $\leq$	100	200	300
	All Other Impurities Including ABS, Wood, Labels, etc ppm $\leq$	250	400	600
Other	Other Coloured Flakes (Excluding Blue) ppm $\leq$	200	400	600
	Blue Flakes ppm $\leq$	600	1200	2000
	PH $\leq$	8	8	8

Product Category		Milk White/Mixed PET Flakes		
Product Grade		A	B	C
Basic Properties	Intrinsic Viscosity (dL/g) $\geq$	0.65-0.75	0.65-0.75	0.65-0.75
	Melting Point ( $^{\circ}$ C)	255 $\pm$ 10	255 $\pm$ 10	255 $\pm$ 10
	Colour L Value $\geq$	55	55	55
	Colour Lb Value $\leq$	5	5	5
	Moisture (%) $\leq$	2	2	2
	Malformed Flakes (%) $\leq$	1	1	1
	Size (mm)	14-16	14-16	14-16
Thermal Properties (Tested at 220 $^{\circ}$ C)	PVC ppm $\leq$	400	600	800
	PP/PE ppm $\leq$	30	50	100
	Yellowing / Aging / Oil / Viscose Flakes ppm $\leq$	800	1200	1500
	PS, PC, and Other Low Melting Point Items ppm $\leq$	100	200	300
	All Other Impurities Including ABS, Wood, Labels, etc ppm $\leq$	200	400	1000
Other	Other Coloured Flakes (Excluding Blue) ppm $\leq$	150	250	500
	PH $\leq$	8	8	8

Product Category		Transparent White HDPE Flakes		
Product Grade		AAA	AA	A
Basic Properties	MFI (5kg/10min/190°C)	0.2-0.8	0.2-1.0	0.8-2.0
	Melting Point (°C)	135±10	135±10	135±10
	Moisture (%) ≤	0.7	0.7	0.8
	Dust (%) ≤	1	1	1.5
	Size (mm)	14	14	14
Chromatic Properties (Colour)	L Value	-		
	Lb Value			
	After Heating ΔLb Value			
Impurities	PVC, PET, Label ppm ≤	400	400	600
	PP (%) ≤	1	1	3
	Yellowing / Aging / Oil / Viscose Flakes ppm ≤	400	400	600
	Metal, Lead, etc ≤	8	8	10
	All Other Impurities Including ABS, Wood, Labels, etc ppm ≤	100	100	300
	Other Coloured PE Flakes ppm ≤	1500	1500	2500
	Other Surface Impurities (%)≤	1	1	1

Product Category		Solid White HDPE Flakes			
Product Grade		AAA	AA	A	B
Basic Properties	MFI (5kg/10min/190°C)	0.2-0.8	0.2-1.0	0.8-2.0	2+
	Melting Point (°C)	135±10	135±10	135±10	135±10
	Moisture (%) ≤	0.7	0.7	0.8	0.8
	Dust (%) ≤	1	1	1.5	2
	Size (mm)	14	14	14	14
Chromatic Properties (Colour)	L Value	-			
	Lb Value				
	After Heating ΔLb Value				
Impurities	PVC, PET, Label ppm ≤	400	400	600	800
	PP (%) ≤	1	1	3	5
	Yellowing / Aging / Oil / Viscose Flakes ppm ≤	400	400	600	800
	Metal, Lead, etc ≤	5	5	8	10
	All Other Impurities Including ABS, Wood, Labels, etc ppm ≤	100	100	300	500
	Other Coloured PE Flakes ppm ≤	2300	2300	2800	3500
	Other Surface Impurities (%) ≤	1	1	2	3