

**WINTEC™ Grade List**

		Grade	WFX6	WFX4M	WXK1233	WFX4TA	WFW4M	WMX03	WSX03	WSX03A	WMG03	WMG03UX
Items	Unit	Reference Test Method										
MFR	g/10min	ISO 1133	2.0	7.0	7.0	7.0	7.0	25	25	25	30	30
Density	g/cm <sup>3</sup>	ISO 1183	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Flexural Modulus	MPa	ISO 178	700	750	750	750	1,050	750	800	800	1,250	1,450
Flexural Strength			25	26	26	26	33	24	26	26	39	42
Tensile Modulus	MPa	ISO 527-1	750	750	750	750	1,050	750	800	800	1,300	1,450
Tensile Stress @ Yield			22	22	22	22	27	22	23	23	31	33
Nominal Tensile Strain	%		>200	>200	>200	>200	>200	>200	>200	>200	>200	>200
Charpy Impact Strength @ 23degC	kJ/m <sup>2</sup>	ISO 179	10	8.0	8.0	8.0	6.0	8.0	6.5	6.5	2.5	3.5
Charpy Impact Strength @ 0degC			2.5	2.0	2.0	2.0	1.0	2.0	2.0	2.0	1.0	1.0
Rockwell Hardness	---	ISO 2039-2	70	75	75	75	90	70	75	75	95	100
Heat Deflection Temperature @ 0.45MPa Load	degC	ISO 75	70	70	70	70	80	65	70	70	90	90
Gloss	%	JIS Z8741	85	85	85	85	85	90	85	85	85	90
HAZE (1mmt)	%	ISO 14782	30	12	12	12	25	10	40	40	50	3
HAZE (2mmt)			75	50	50	45	60	25	75	75	85	10
Spiral Flow	mm	JPP Method	-	460	460	460	460	740	740	740	770	770
Mold Shrinkage	%	JPP Method	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.0-1.4	1.2-1.6
Applications	Film		✓	✓	✓	✓	✓					
	Injection			✓			✓	✓	✓		✓	✓
	Fiber·Nonwovens									✓		
PL confirmation certificate for food applications (JPN)			Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved	Approved

- This is a typical data, not to be construed as specification.
- Application suitability should be confirmed with the final product by referring to the physical property values.