

Properties of DELPET™ High jet black (PIANO BLACK) “PB Series”

**AsahiKASEI**  
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Property	Method	Units	BIMODAL		
			PB01	PB21	PB22
<b>1. Rheological Properties</b>					
Melt mass-flow rate (230°C、37.3N)	1133	g/10min	2.0	1.8	0.6
Spiral flow length <small>Thickness:2mm Cylinder Temp:250°C Mold Temp:60°C Pressure:75MPa</small>	ASAHIKASEI method	cm	27	33	27
<b>2. Mechanical Properties</b>					
Tensile modulus	527-2/1A/1	MPa	3300	3300	3300
Tensile strength at break	527-2/1A/5	MPa	77	77	77
Tensile strain at break	527-2/1A/5	%	6	6	8
Charpy impact strength (Unnotched)	179/1eU	KJ/m <sup>2</sup>	22	22	24
Charpy impact strength (Notched)	179/1eA	KJ/m <sup>2</sup>	1.4	1.4	1.4
<b>3. Thermal properties</b>					
Temperature of deflection under load	75-1 75-2	°C	100	100	98
VICAT softening temperature	306 B 50	°C	108	108	106
<b>4. Physical properties</b>					
Water absorption at 23°C	62 method 1	%	0.3	0.3	0.3
Density	1183	g/cm <sup>3</sup>	1.19	1.19	1.19
<b>5. Specific properties not specified in ISO 10350</b>					
Refractive index	489	—	—	—	—
Total luminous transmittance	13468-1	%	—	—	—
Flexural modulus	178	MPa	3300	3300	3300
Flexural strength	178	MPa	130	130	130
Rockwell hardness	2039-2	M scale R scale	100	100	100
Mold shrinkage percent	ASAHIKASEI method	cm/cm	0.002~0.006	0.002~0.006	0.002~0.006

※The value in the above Table are representative values obtained using the noted test methods.  
Please use these values as a reference when selecting the most suitable grade for each respective use.  
In addition, these values may change due to the improvement of properties.