

GroupCode :

PET-6820

【Physical Properties Data】

Item	Unit	Value	Test Method
Specific Gravity	-	1.27	JIS K 7112 (MOD ISO1183)
Surface Hardness (Rockwell)	M scale	44	JIS K 7202
	R scale	114	
Tensile Stress at Yield	MPa	52	JIS K 7161-2-1B/50 (IDT ISO527-2)
Nominal Tensile Strain at Break	%	28	
Modulus of Elasticity in Tension	MPa	2000	JIS K 7161-2-1B/1 (IDT ISO527-2)
Charpy Impact Strength(Notched)	kJ/m ²	6.4	JIS K 7111-1epA (MOD ISO179)
Flexural Stress	MPa	71	JIS K 7171 (MOD ISO178)
Flexural Modulus	MPa	2000	
Temperature of Deflection under Load	°C(0.45MPa)	-	JIS K 7191
	°C(1.80MPa)	69	
Vicat Softening Temperature	°C(methodA/10N)	-	JIS K 7206 (MOD ISO306)
	°C(methodB/50N)	74	
Dimensional Change on Heating (145°C/55min)	%(longitudinal)	-	JIS K 7133 (IDT ISO11501)
	%(latitudinal)	-	
Surface Resistivity	10 ^X Ω/□	>15	JIS K 6911
Volume Resistivity	10 ^X Ω•m	>13	
Total light transmittance	%	38.0 / 36.7	JIS K 7161-1

【Other】

3.0mm/5.0mm

Item	Unit	Value	test method
Color	-	Brown smoke tinted	-
Munsell No.	-	5.4R 3.3/3.1	-

The above data are a series of test results with 5mm thick specimen and given here without guarantee.