Properties of DELPET™ Filter grades

AsahiKASEI
ASAHI KASEI CORPORATION

Property	Method	Units	FILA72、FILA82	FILB72・FILB82
1. Rheological Properties				
Melt mass-flow rate (230℃、3.8kg)	1133 cond 13	g/10min	8.0	2.0
Spiral flow length Thickness:2mm Cylinder Temp:250℃ Mold Temp:60℃ Pressure:75MPa	ASAHIKASEI method	cm	38	27
2. Mechanical Properties				
Tensile modulus	527-2/1A/1	MPa	3300	3300
Tensile strength at break	527-2/1A/5	MPa	72	77
Tensile strain at break	527-2/1A/5	%	5	6
Charpy impact strength (Unnotched)	179/1eU	KJ/m^2	20	22
Charpy impact strength (Notched)	179/1eA	KJ/m^2	1.3	1.4
3. Thermal properties				
Temperature of deflection under load	75-1 75-2	℃	91	100
VICAT softening temperature	306 B 50	℃	98	109
4. Physical properties				
Water absorption at 23℃	62 method 1	%	0.3	0.3
Density	1183	g/cm3	1.19	1.19
5. Specific properties (not in ISO 10350)				
Refractive index	489	—	—	—
Total luminous transmittance	13468-1	%	—	—
Flexural modulus	178	MPa	3300	3300
Flexural strength	178	MPa	120	130
Rockwell hardness	2039-2	M scale	95	100
		R scale		
Mold shrinkage	ASAHIKASEI method	cm/cm	0.002～0.006	0.002～0.006

NOTE: The values 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. ☐