

Pelcool

<Characteristics>

1. Heat releasing coating for high cost performance and high heat radiation effect
2. One-component, heat curable acrylic resin with good weatherability
3. Good electrical insulation
4. Good adhesion to metals (aluminum, copper, stainless and steel, etc.)

Product Name	H-7020
Product Category	Heat Releasing Coating
Use	Heat releasing for metal fin, heatsink, substrate
Function	Heat Releasing Performance

as supplied

Item	Property	Remarks
Appearance	White liquid	—
Resin type	Acrylic resin	Contained Solvents: Xylene, n-Butanol
Viscosity (Rotation type viscometer)	560mPa·s	25°C, B type (No.2 Rotor, 10rpm)
Viscosity (Iwata cup)	60~70 seconds	25°C
Specific gravity	1.17	25°C
Diluent during coating	—	Xylene
RoHS prohibited substances	not contained	—

Recommended Dry Condition

Recommended dry temp.	160°C	Hot air oven
Recommended dry time	20minutes	Hot air oven
Standard coating thickness	20 ~ 40μm	Spray coating

Coated property (Coated substrate : Aluminum plate A1050)

Test item	Property	Test Method
Coating film Hardness	2H	pencil hardness 45° 750g
Surface Resistance	above 10 ¹³ Ω/sq.	—
Breakdown Strength	2200V (thickness: 30μm)	JIS C2110-1
	3800V (thickness: 60μm)	
Adhesiveness	100/100 pass	cross cut, cellophane tape peeling (1mm)
Reflection Rate	90%	visible light range (U-4100 spectrophotometer)
Thermal Conductivity (Face Direction)	0.1W/mK	rapid thermal conductivity meter QTM-500

The above values are typical and not specification.



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