

C-PET(RCPT)

Description:

CPET, with its characteristic of fully crystallization, it is non-toxic, extremely stiff and high heat resistant. It is suitable to make utensils used in microwave oven and other kitchen appliances.



Features:

- Excellent chemical resistance
- Excellent clarity and gloss
- Excellent die cutting
- Excellent Impact resistance
- Excellent thermoforming
- High heat resistance



PHYSICAL PROPERTIES	UNIT	TEST METHOD	TYPICAL VALUES
Thickness	mm	RPC-001	0.20~1.00
Color			opaque
Gloss Value	%	ASTM D523 at 60°	60 ↑
Haze Value	%	ASTM D1003	5 ↓
Specific Gravity	g/cm ³	ASTM D792	1.38±0.02
Tensile Strength	psi	ASTM D882	7000 min.
Elongation	%	ASTM D882	80 ↑
Heat Shrinkage	%	ASTM D1024 at 100°C×5'	CD 0 ↓
			MD -6 ↓
Thickness Tolerance	%	RPC-001	0.20~0.50: ±5, 0.51~
			1.00: ±3

IV Value			0.76 ↑
TG Value		TESTED BY DSC	76
Melting Point	°C	TESTED BY DSC	250
Ignition Temp.	°C		500
Dyne Level	dynes/cm	ASTM D2578	32~34
Heat Resistance in Oven	°C		240