

Wanshijie APET Sheet

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

APET sheet is one of the earliest plastic sheets our company develops and produces. It has excellent air-tightness, durability, chemical resistance and transparency. When burnt, it will not produce any toxic gas, so it is environment friendly. Also it complies with American FDA and Japanese food safety standard. It has become the safety material for foodstuff. In addition, it is applicable for various machining, displaying or exhibiting, vacuum forming and etc.

GOOD TRANSPARENCY: It has above 87 percent of transparency and good texture touch and is suitable for the products that require high transparency.

EXCELLENT IMPACT STRENGTH RESISTANCE AND RIGIDITY: Hard and durable material, good physical property even at 40°C, suitable for the products that require high Impact strength resistance.

EXCELLENT THERMOFORMING: Be able to form when preheating is not needed, high precision, about 0.5 percent shrinkage, excellent deep thermoforming, even thickness and no crack.

EXCELLENT FOOD SAFETY: APET material can comply with all main food regulations, such as FDA or BGA. Suitable for food container packing.

EXCELLENT GREASE AND CHEMICAL RESISTANCE: No corrosion to acid, alkali, oil and etc.

LOW COMBUSTIBILITY: Excellent fire resistance, no support combustion, less smoke, no harmful substances after combustion.

ENVIRONMENT PROTECTION: Available to recycle and no environment pollution.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wanshijie-APET-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D1050

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	52.4 MPa	7600 psi	ASTM D638
Film Tensile Strength at Yield, TD	53.0 MPa	7690 psi	ASTM D638
Elongation at Yield	266 %	266 %	ASTM D638
Modulus of Elasticity	2.20 GPa	319 ksi	ASTM D638
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Heat Distortion Temperature	75.0 °C	167 °F	ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	87 %	87 %	ASTM D1003

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