

Spartech Polyester APET SP-4110

Polyethylene Terephthalate

Spartech Plastics

Message:

SP-4110 APET is brilliantly clear roll stock polyester. This material can be vacuum formed to produce products that have excellent cold temperature impact strength and good oxygen and moisture barrier properties. In addition, SP-4110 lends itself to excellent recyclability for both the manufacturer and the consumer.

General Information			
Features	Moisture proof		
	Recyclable materials		
	Low temperature impact resistance		
	Definition, high		
	Oxygen barrier		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	106		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength	84.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C	28	J/m	ASTM D256
23°C	50	J/m	ASTM D256
Dart Drop Impact			ASTM D3029
-40°C	45.2	J	ASTM D3029
23°C	56.5	J	ASTM D3029
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	72.2	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss	90		ASTM D523

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Recommended distributors for this material

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