



POLYSTYRENE

TOUGHENED POLYSTYRENE



SP246

Characteristics:

- Excellent Clarity.
- Very high toughness.
- Deep drawability.
- Improved thermal stability.

Processing:

- Extrusion
- Thermoforming

Applications

- Thermoformed clear and deep draw products.
- Rectangular bowls, salad container, deli packaging
- Extruded films, sheets and profiles
- Lids, clam shells.

Material Status	:	- Commercially Active
Agency Ratings	:	- FDA21 CFR 177.1640

PROPERTY	ASTM TEST METHOD	TEST CONDITION	VALUE	UNIT
Rheological				
Melt Flow Index	D1238	200°C / 5kg	7.0	gm / 10 min
Thermal				
Vicat Softening Point	D1525	1Kg / 120°C	101	°C
HDT (Unannealed)	D648	18.564 Kg/cm ²	74	°C
Mechanical				
Tensile Strength	D638	50 mm/min	300	Kg / cm ²
Elongation	D638	50 mm/min	10	%
Flexural Strength	D790	3.2 mm	525	Kg / cm ²
Flexural Modulus	D790	3.2 mm	18000	Kg / cm ²
Izod Impact (Notched)	D256	3.2 mm	15	J/m
Izod Impact (unnotched)	D256	3.2 mm	275	J/m
Optical				
Haze	SPL	1mm	1.5	%
Light Transmission	SPL	1mm	88	%
Flammability				
Flammability	UL94	@ 1.6mm	HB	-
General				
Specific Gravity	D792	-	1.02	-
Processing Conditions				
Pre-drying Temperature	-	-	NA	°C
Mold Temperature	-	-	40-50	°C
Maximum Melt Temperature	-	-	220	°C

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