

TYPICAL PROPERTIES OF APET Sheet

Specification:

- Thickness: 0.12mm – 6.0 mm
- Width: max1440mm
- Core Size: 3", 8" available
- Roll OD: up to 40" available
- Available in clear, colored
- Silicone coating available

Features:

- Made from recycled content
- Economical for clear packaging
- Good clarity and impact strength
- Excellent strength for tough applications
- 100% recyclable

Properties	Value	UNITS	Method
PHYSICAL			
Density	1.35	g.cm3	ISO 1183
MECHANICAL			
Tensile Strength @ Yield	59	Mpa	ISO 527
Tensile Strength @ Break	No break	Mpa	ISO 527
Elongation @ Breakd	>200	%	ISO 527
Tensile Modulus of Elasticity	2420	Mpa	ISO 527
Flexural Strength	86	Mpa	ASTM D790
Charpy Notched Impact Strength	(*)	kJ.m2	ASTM D3835
Charpy Unnotched	No break	kJ.m2	ASTM D1003
Rockwell Hardness M / R scale	(*) / 111		
Ball Indentation	119	Mpa	ASTM D1003
OPTICAL			
Light Transmission	89*	%	
Refractive Index	1576		
THERMAL			
Max. service temperature	60	°C	
Vicat Softening Point - 10N	79	°C	ISO 306
Vicat Softening Point - 50N	75	°C	ISO 306
HDT A @ 1.8 Mpa	69	°C	ISO 75-1,2
HDT B @ 0.45 Mpa	73	°C	ISO 75-1,2
Coefficient of Linear Thermal Expansion x10-5	<6	x10-5 . °C-1	