

TYPICAL PROPERTIES OF RPET 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
Density	1.35	g.cm3	ISO 1183
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	(*) / 111		
Ball Indentation	119	Mpa	ASTM D1003
Thermoforming Temperature	degree	250 – 310°F (121 – 154°C)	Internal
Range of Use	degree	10 – 150°F (-12 – 66°C)	Internal
Chemical Resistance			
Acid Resistance	—	Good to Excellent	Internal
Strong Oxidizers	—	Good to Excellent	Internal
Alkalies	—	Fair to Good	Internal
Hydrocarbon Solvents	—	Good to Excellent	Internal
Alcohols	—	Good to Excellent	Internal
Fat, Grease & Oil	—	Good to Excellent	Internal