



Typical Properties of ePET

Properties	Test Method	Unit	Typical Value
Specific Gravity	ASTM D792	-	1.27
Rockwell Hardness	ASTM D785	R-Scale	108
Moisture Absorption Factor	ASTM D570	%	0.13
Melting Temperature	-	°C	200~230

Mechanical

Tensile Strength @ Yield 50mm/min	ASTM D638	kgf/cm ²	510
Tensile Elongation @Break 50mm/min	ASTM D638	kgf/cm ²	300
Elongation, @ Yield 50mm/min	ASTM D790	%	4.5
Elongation, @ Break 50mm/min	ASTM D790	%	180
Flexural Strength, 1.27mm	ASTM D790	kgf/cm ²	700
Flexural Modulus, 1.27mm	ASTM D790	kgf/cm ²	21,400
IZOD Impact Strength (Notched) @ 23°C	ASTM D256	J/m	105

Thermal

Heat Distortion Temperature 66PSI/0.455MPa	ASTM D648	°C	70
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Optical

Haze	ASTM D1003	%	1.8
Transmittance	ASTM D1003	%	90
Refractive Index, n _D	ASTM D542	-	1.57

*The data listed here is preliminary data sheet of product. Therefore this sheet should not be used to establish specification limits or used alone as a basis for design.

This information is not intended as a warranty of any kind. Customers must make their own representative test and assume all risks of use, whether used alone or in combination with other products.

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