

PhotoMark® eTPU™ Datasheet

High Performance Aliphatic Polyether Thermoplastic Polyurethane Film

OVERVIEW

PhotoMark eTPU is a high performance aliphatic polyether thermoplastic polyurethane film intended for processing by lamination into a range of glass/plastics components. Available in thicknesses from 50µm - 250µm, 380µm, 635µm.



TECHNICAL CHARACTERISTICS

Excellent laminated transparency	Medium durometer
Excellent hydrolysis resistance	Contains adhesion promoter
Excellent microbial resistance	Medium modulus
Good low temperature flexibility	Excellent cold impact

TESTING PERFORMANCE

TEST:	TEST SPECIFICATION(S):	RESULTS:
Tensile Strength	ASTM D638	45 MPa
Modulus	ASTM D638	2 MPa (100%)
Elongation	ASTM D638	500 %
Tear Resistance	ASTM D624	37 N/mm
Hardness	ASTM D2240	80 Shore A
Specific Gravity	ASTM D792	1.07
Softening Point (TMA)	ASTM D3418	80 °C
Melting Point (TMA)	ASTM D3418	140 °C
Light Transmittance	ASTM D1746	90 %
Haze	ASTM D1003	0.31 %
Refractive Index	ASTM D542	1.5
Peel Resistance to Glass Laminated Temperature (100-150 °C)	ASTM D3167	60 N/mm

*Theoretical nominal

This product is covered by one or more U.S. patents and pending U.S. and other patent applications.
Typical Data - Not Specification



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