

# PLEXIGLAS® Sheet Optical 0Z024

Polymethyl Methacrylate Acrylic  
Evonik Industries AG

Message:

PLEXIGLAS® Optical 0Z024 meets extremely high optical requirements. Its high light transmission - especially over long light paths - makes it the ideal acrylic for light guides and edge lighting. PLEXIGLAS® Optical 0Z024 is a clear, highly transparent solid sheet made of extruded acrylic (polymethyl methacrylate, PMMA). Applications: Owing to these properties, PLEXIGLAS® Optical 0Z024 is particularly suitable for manufacturing large or medium-sized edge-lit light guide panels, such as those for illuminated signs and for display applications.

General Information			
Features	Good Impact Resistance		
	Good Weather Resistance		
	High Clarity		
	High Hardness		
	High Purity		
	Recyclable Material		
Appearance	Clear/Transparent		
Forms	Sheet		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	< 2.1	%	ISO 62
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	15	kJ/m²	ISO 179/1fU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	104	°C	ISO 306
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance			
3000 µm	92.0	%	DIN 5036-3
150000 µm	91.0	%	Internal Method
Haze	< 1.0	%	ASTM D1003

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