

DATA SHEET
ZEONEX® E48R

Plastics

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Product Data Sheet

Typical Properties*

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ZEONEX E48R Cyclo Olefin Polymer (COP) is an engineered plastic that provides excellent optical properties including high transparency, low birefringence, low water absorption, and excellent optical stability after heat and humidity exposure.

Property	Measurement Method	Unit	Result
Specific Gravity	ASTM D792	-	1.01
Water Absorption	ASTM D570	%	<0.01
Light Transmittance	ASTM D1003 (3mm)	%	92
Refractive Index	ASTM D542	-	1.531
Glass Transition Temperature	JIS K7121	°C	139
Heat Distortion Temperature	JIS D648	°C	122
Melt Flow Rate	JIS K6719 (280°C, 21.18N)	g/10min	25
Flexural Modulus	ASTM D790	MPa	2500
Pencil Hardness	JIS K5401		F

* Typical properties. Not to be used for purposes of establishing specification(s).