

ZEONOR® 1420R

Typical Properties*

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Product Data Sheet

ZEONOR 1420R Cyclo Olefin Polymer (COP) is an engineered plastic that provides excellent optical properties, low water absorption, high purity, low autofluorescence, and high molding transcription. It is ideal for use in life science consumables and non-precision optical applications.

Property	Measurement Method	Unit	Result
Specific Gravity	ASTM D792	-	1.01
Water Absorption	ASTM D570	%	<0.01
Light Transmittance	ASTM D1003 (3mm)	%	92
Glass Transition Temperature	JIS K7121	°C	136
Melt Flow Rate	JIS K6719 (280°C, 21.18N)	g/10min	20
Flexural Modulus	ASTM D790	MPa	2200
Dielectric Constant	ASTM D150 (1MHz)		2.3
Dielectric LossTangent	ASTM D150 (1MHz)		0.0002

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