

ZEONEX[®] RS420-LDS

Product Data Sheet

Typical Properties*

Date Issued: Feb 2015

ZEONEX RS420-LDS Cyclo Olefin Polymer (COP) is an engineered plastic which exhibits good impact strength, low dielectric loss, and low dielectric constant. ZEONEX RS420-LDS is compatible with LPKF's laser direct structuring system (LDS).

Property	Measurement Method	Unit	Result
Specific Gravity	ASTM D792	-	1.01
Water Absorption	ASTM D570	%	<0.02
Glass Transition Temperature	JIS K7121	°C	136
Heat Distortion Temperature	JIS D648	°C	134
Melt Flow Rate	JIS K6719 (280°C, 21.18N)	g/10min	7
Flexural Modulus	ASTM D790	MPa	2500
Dielectric Constant	ASTM D150 (1GHz)	-	2.3
Dielectric Loss Tangent	ASTM D150 (1GHz)	-	0.0005
Color		-	Black

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