

ZEONEX® K26R

Cyclo Olefin Polymer
Zeon Corporation

Message:

Optical lens grade, high flow for microlens, very low haze and low birefringence for mobile device camera lens

- Features
- High transparency
 - High flow
 - Low birefringence
 - Low haze
 - Low moisture absorption
 - Good coatability
- Uses
- Optical Lens
 - Consumer electronics
 - Camera lens
 - Prism

General Information			
Features	Low birefringence		
	Low hygroscopicity		
	High liquidity		
	Definition, high		
Uses	Electrical/Electronic Applications		
	Optical applications		
	Lens		
	Camera application		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Clear/transparent		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	55	g/10 min	JIS K6719
Water Absorption (Equilibrium)	< 0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress	42.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method

Glass Transition Temperature	143	°C	JIS K7121
CLTE - Flow	6.0E-5	cm/cm/°C	ASTM E831
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.535		ASTM D542
Transmittance (3000 μm)	92.0	%	ASTM D1003

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