

Edgetek™ ET3200-8001 LG

Polycarbonate

PolyOne Corporation

Message:

High transparent, low gloss, light diffusing polycarbonate compound

General Information			
Features	High Light Diffusion		
	Gloss, low		
	Heat resistance, high		
Uses	LEDs		
	Electrical/Electronic Applications		
	Illumination diffuser		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage (3.00 mm)	0.50 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	55.0	MPa	ASTM D638
Tensile Elongation ² (Break)	> 50	%	ASTM D638
Flexural Modulus ³	2200	MPa	ASTM D790
Flexural Strength ⁴	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+12	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		Internal method
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 µm)	> 88.0	%	Internal method
Haze (2000 µm)	> 98	%	Internal method
Injection	Nominal Value	Unit	
Drying Temperature	110 - 130	°C	

Drying Time	4.0 - 6.0	hr
Processing (Melt) Temp	260 - 290	°C
Mold Temperature	80.0 - 120	°C

Injection instructions

Injection Pressure: MED-HIGHHold Pressure: MED-HIGHScrew Speed: MODERATEBack Pressure: LOW

NOTE

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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