

Technical Data Sheet
Lucent PC PC/ABS-FR5
Polycarbonate + ABS
Engineering Plastics



Product Description

Injection Grade Polycarbonate + ABS

Color Available

Add "R" for Added Release

Add "U" for UV Stabilizer

UL Recognized; 5VA, V-0 at 2.5 mm; QMFZ2.E213588

General

Additive	• Flame Retardant
Features	• Flame Retardant
UL File Number	• E51193
Appearance	• Colors Available
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.19	1.19 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	18 g/10 min	18 g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in (3.18 mm))	5.0E-3 in/in	0.50 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	442000 psi	3050 MPa	ASTM D638
Tensile Strength (Yield)	8900 psi	61.4 MPa	ASTM D638
Tensile Elongation (Break)	> 100 %	> 100 %	ASTM D638
Flexural Modulus	385000 psi	2650 MPa	ASTM D790
Flexural Strength	14000 psi	96.5 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (0.125 in (3.18 mm))	10 ft·lb/in	530 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 psi (1.8 MPa), Unannealed	181 °F	82.8 °C	ASTM D648

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.10 in (2.5 mm))	• V-0 • 5VA	• V-0 • 5VA	UL 94

Notes

These are typical property values not to be construed as specification limits.

