

Technical Data Sheet

Lucent Pc PC/ABS-1003

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

Polycarbonate + ABS, Extrusion / General Purpose Injection Grade

Colors Available
Add "R" for Added Release
Add "U" for UV Stabilized

General

Features	• General Purpose		
Uses	• General Purpose		
Appearance	• Colors Available		
Processing Method	• Extrusion	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.13	1.13 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 Kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	7800 psi	53.8 MPa	ASTM D638
Tensile Elongation (Break)	> 120 %	> 120 %	ASTM D638
Flexural Modulus	330000 psi	2280 MPa	ASTM D790
Flexural Strength	12000 psi	82.7 MPa	ASTM D790

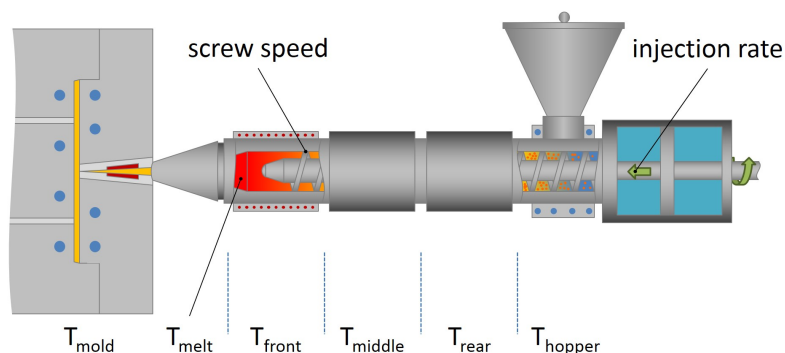
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact			ASTM D256
-22°F (-30°C), 0.125 In (3.18 Mm)	6.0 ft·lb/in	320 J/m	
73°F (23°C), 0.125 In (3.18 Mm)	10 ft·lb/in	530 J/m	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
264 Psi (1.8 Mpa), Unannealed	240 °F	116 °C	

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	194 to 212 °F	90 to 100 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	446 to 500 °F	230 to 260 °C
Middle Temperature	455 to 509 °F	235 to 265 °C
Front Temperature	460 to 522 °F	238 to 272 °C
Nozzle Temperature	460 to 522 °F	238 to 272 °C
Processing (Melt) Temp	460 to 522 °F	238 to 272 °C
Mold Temperature	104 to 212 °F	40 to 100 °C
Back Pressure	50.0 to 149 psi	0.345 to 1.03 MPa

Notes

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