

INJECTABLE POLYCARBONATE DATA SHEET

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| Additive | • Mold Release |
| Features | • Good UV Resistance |
| RoHS Compliance | • Yes |
| Appearance | • Clear/Transparent |
| Forms | • Pellets |
| Processing Method | • Injection Molding |
| Multi-Point Data | |
| • Creep Modulus vs. Time (ISO 11403-1) | • Isochronous Stress vs. Strain (ISO 11403-1) |

Physical	Nominal Value	Unit	Test Method
Density		lb/in ³	ISO 1183 ²
Melt volume-flow rate (300°C/1.2 kg)		in ³ /10min	ISO 1133 ²
Water Absorption			ISO 62 ²
Saturation		%	
Equilibrium		%	
Viscosity number		cm ³ /g	ISO 307, 1157, 1628 ²
Mechanical	Nominal Value	Unit	Test Method
Tensile modulus		psi	ISO 527-2 ²
Tensile Stress (Yield)		psi	ISO 527-2 ²
Tensile Strain (Yield)		%	ISO 527-2 ²
Nominal strain at break		%	ISO 527-2 ²
Tensile Creep Modulus			ISO 899-1 ²
1 hr		psi	
1000 hr		psi	
Impact	Nominal Value	Unit	Test Method
Charpy impact strength			ISO 179/1eU ²
-22°F			
73°F			
Puncture energy			ISO 6603-2 ²
-22°F		ft·lb	
73°F		ft·lb	
Puncture - maximum force			ISO 6603-2 ²
-22°F		lbf	
73°F		lbf	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2 ²
66 psi		°F	
264 psi		°F	
Glass Transition Temperature ³		°F	ISO 11357-2 ²
Vicat Softening Temperature (50°C/h, B (50N))		°F	ISO 306 ²
CLTE			ISO 11359-2 ²
Flow		in/in/°F	
Transverse		in/in/°F	
Electrical	Nominal Value	Unit	Test Method
Surface resistivity		ohm	IEC 60093 ²

Volume resistivity		ohm·in	IEC 60093 ²
Electric strength		V/mil	IEC 60243-1 ²
Relative Permittivity			IEC 60250 ²
100 Hz			
1 MHz			
Dissipation Factor			IEC 60250 ²
100 Hz			
1 MHz			
Comparative tracking index			IEC 60112 ²
Flammability	Nominal Value	Unit	Test Method
Oxygen index		%	ISO 4589-2 ²

Features

Features may also be described by the following terms: Good UV Resistance, UV Resistant, Ultraviolet Resistant, Ultraviolet Light Resistant.

Agency Ratings

This plastic material has 3 certifications from the following agencies (the number in parentheses shows the number of certifications for that agency): EU (3).

Notes

¹Typical properties: these are not to be construed as specifications.

²Tested in accordance with ISO 10350. 23°C/50%r.h. unless otherwise noted.

³18 °F/min