

OPTIX[®] CP – 927 G CLEAR

PROPERTIES	TEST METHOD	UNITS	VALUES
OPTICAL PROPERTIES			
Luminous Transmittance	ASTM D-1003	%	91.3
Haze	ASTM D-1003	%	<1.8
MECHANICAL PROPERTIES			
Tensile Strength	ASTM D-638	psi (MPa)	7,300 (50)
Elongation	ASTM D-638	%	5.3
Modulus of Elasticity	ASTM D-638	psi (MPa)	290,000 (2,000)
Flexural Strength	ASTM D-790	psi (MPa)	11,000 (76)
Impact Strength – Izod (Notched, ¼")	ASTM D-256	ft-lb/in (J/m)	0.9 (50)
Impact Strength – Falling Weight (1/8")	ASTM D-3029 GB	in-lb (J)	27 (3.05)
THERMAL PROPERTIES			
Vicat Softening Temperature	ASTM D-1525 (Rate A)	°F (°C)	233 (112)
Heat Deflection Temperature Under Load	ASTM D-648 (264 psi)	°F (°C)	174 (79)
Average Melt Flow Rate	ASTM D-1238 (3.8/230)	g/10 min	4.5
Coefficient of Linear Thermal Expansion	ASTM D-696	cm-cm/°C	7 X 10 ⁻⁵
Molding Shrinkage	ASTM D-955	%	0.2-0.6
OTHER PROPERTIES			
Specific Gravity	ASTM D-792	-	1.16

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