



Polycarbonate

DESCRIPTION:

Transilwrap polycarbonates offer a wide range of features including clarity, toughness, heat resistance and dimensional stability. It is available in a variety of textures as well as standard and custom colors. Stick and cling maskings can be applied. Special formulations and maskings are available upon request.

CHARACTERISTICS:

- Printable using offset and screen processes.
- High temperature stability.
- Excellent impact strength.
- U.V. additives are standard.
- Can be easily fabricated, vacuum formed, die cut, embossed and slit using conventional equipment.
- Flat, square cut sheets and rolls slit to width.
- Flame retardant grades available upon request.
- Low haze and yellowness index. Data available upon request.

TECHNICAL DATA:

PHYSICAL PROPERTIES	UNIT	TYPICAL VALUES	TEST METHOD-ASTM
SPECIFIC GRAVITY		120	D792
SPECIFIC VOLUME	in ³ /lb	23.10	D792
WATER ABSORPTION - equilibrium	%	.35	D570
OPTICAL PROPERTIES			
LIGHT TRANSMISSION	%	89.00	D1003
HAZE	%	1.0 (PCGG only)	D1003
YELLOWNESS INDEX		<1.0	D1925
REFRACTIVE INDEX		1.586	D542
MECHANICAL PROPERTIES			
TENSILE STRENGTH	Yield Break psi	9,000 10,000	D638
ELONGATION BREAK	%	135	D638
FALLING DART	ft. lbs.	125	D3029
THERMAL PROPERTIES			
DTUL - 264 psi	°F	270	D648
SPECIFIC HEAT	BTU/lb -F	0.30	C351
THERMAL CONDUCTIVITY	W/m-c	0.19	C177
BRITTELNESS TEMPERATURE	°F	-200	D746
VICAT SOFTENING TEMPERATURE - Rate A	°F	310	D1525
ELECTRICAL PROPERTIES			
DIELECTRIC STRENGTH - in air, 0.125 in.	v/mil	380	D149
DIELECTRIC CONSTANT	60 hz 1 mhz	3.17 2.96	D150
DISSIPATION FACTOR	60 hz 1 mhz	0.0009 0.0100	D150
VOLUME RESISTIVITY	ohm-cm	>1.0E17	D257

Note: The stated values are typical data and are not specification of guarantee. Transilwrap suggests that purchaser confirm product compatibility prior to use of this product. Stated values are believed to be accurate, but all information is presented without guarantee or responsibility on the part of Transilwrap Company, Inc.

