Donchamp
Colour it. Illuminate it. Thermoform it.

www.donchamp.net

PROPERTY	METHOD	UNITS	DONCHAMP CAST
GENERAL			
Density	ISO 1183	g/CM^3	1.19
Rockwell hardness	ISO 2039-2	M-Scale	100
Water absorption	ISO 62	%	0.3
OPTICAL			
Light transmission	ISO 13468-1	%	93
Refractive index	ISO 489		1.49
Haze	GB/T2410	%	0.5
MECHANICAL			
Flexural modulas	ISO 178	MPa	3000
Flexural strengths	ISO 178	MPa	105 (Perspex 116)
Tensile strengths	ISO 527	MPa	72 (Perspex 75)
Elongation at break	ISO 527	%	4
Charpy Impact Strength (unnotched)	ISO 179	Kj/m^2	
THERMAL			
Vicat softening point	ISO 306	^{o}c	117
Coefficient of linear thermal expansion	GB/T1036	K$^-$x10^{-5}	7
Sheet forming Temp. range		^{o}c	140–180
ELECTRICAL			
Dielectric strength	DIN 53481	kV/mm	117
Surface resistivity	DIN 53482	Ω	7

* Other physical properties and values available on request

FLAMMABILITY

Standard	Classification
UL94	HB