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Ramat Hashofet 19238, Israel  
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EN 16153:2013

Light transmitting flat multiwall polycarbonate (PC)sheets for internal and external use in roofs, walls and ceilings - Requirements and test methods

Type	PC	
Description	MWPC - Multiwall Polycarbonate	
Thickness [mm]	10	
Weight [g/m <sup>2</sup> ]	1600	
Color LT	CLR -1	
Mechanical resistance (deformation behavior):	Bx [Nm <sup>2</sup> /m]	NPD
	By [Nm <sup>2</sup> /m]	NPD
	Sy [N/m]	NPD
	Mb [Nm/m]	NPD
Direct airborne sound insulation:	R [dB]	19
Thermal transmittance:	U [W/(m <sup>2</sup> .°C)]	3
Light transmittance:	Tv [%]	
Total solar energy transmittance:	g [%]	73
	Te [%]	69.9

Durability, as variation (after ageing):

of Yellowness Index:	Delta YI	5 (ΔA)
of Light Transmission:	Delta LT%	3 (ΔA)
External fire performance:	FROOF	NPD
Reaction to fire:		B,s1,d0
Resistance to fire:		NPD
Water vapour permeability:	[mg/(m·h·Pa)]	3.8·10 <sup>-5</sup>
Water/air permeability:		Pass
Release of dangerous substances:		None
Dimensional tolerances:		Pass
Shatter properties (safe breakability) as:		
Small hard body impact resistance:		Pass
Large soft body impact resistance (assembly):		NPD

Durability, as variation (after ageing):

of E-Modulus:		Cu 1
of tensile strength:		Ku 1
Resistance to fixings:	For method of fixing, see product datasheet	

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