

Technical Specifications

	CONDITIONS	TEST METHOD	UNIT	VALUE	
1 - GENERAL CHARACTERISTICS					
Density	23°C	ISO 1183	g/cm ³	1,19	
Water absorption (24H)	23°C / 50% HR	ISO 62	%	0,3	
Mould shrinkage		ASTM D-955	%	0,2-0,6	
2 - RHEOLOGICAL PROPERTIES					
Melt Flow Index	230°C / 3,8kg	ISO 1133	g/10mn	1.1	
3 - MECHANICAL PROPERTIES					
Tensile Strength at break	23°C	ISO 527-2	MPa	65	
Elongation at Break	23°C	ISO 527-2	%	15	
Flexural Modulus	23°C	ISO 178	MPa	2300	
Impact Resistance (Charpy, Unnotched)	23°C	ISO 179-1eU	KJ/m ²	48	
Impact Resistance (Charpy, Notched)	23°C	ISO 179-1eA	KJ/m ²	3	
Impact resistance (Izod, Notched)	23°C	ISO 180	KJ/m ²	3.5	
4 - OPTICAL PROPERTIES					
Total Reflectance (%)					
	450 nm	23°C / 3mm thick	D65 / 2°	%	96,3
	550 nm	23°C / 3mm thick	D65 / 2°	%	97,8
	650 nm	23°C / 3mm thick	D65 / 2°	%	98,3
5 - THERMAL PROPERTIES					
Vicat Softening Temperature	B 50 N	ISO 306	°C	108	
6 - FLAMMABILITY					
Fire Resistant		UL/94	CLASS	HB	

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