

COMPOUND HDPE + 25 % FIBRE DE BAMBOU

		compound 1	compound 1 compatibilisé	compound 2	compound 2 compatibilisé	Résine Vierge Valeur indicative
		25% bambou GRADE 5	25% bambou / GRADE 5	25% bambou GRADE 3	25% bambou / GRADE 3	résine HDPE non renforcée
PROPERTIES	UNITS					
PHYSICAL						
Specific Weight	g/cm3	1.03	1.02	1.02	1.03	0.952
MFI 190 °C/2,16 KG	g/10mn	8.2	4.3	11.1	6.5	
Shrinkage on 4 mm thickness	%	1,2 to 1,4	1,1 to 1,3	1,0 to 1,2	1,0 to 1,2	
MECHANICAL						
Tensile strength	MPa	18,7	33,5	21,9	32,7	25
Tensile elongation at break	%	3,8	5,5	3,5	3,3	> 500
Flexural Strength	MPa	24,2	35,9	29,3	38,6	
Flexural Modulus	MPa	1600	1700	2000	2000	
Izod Notched, +23 °C	kJ/m²	3,1	4,2	4,4	5,8	6
Izod unnotched, +23 °C	kJ/m²	8,1	22	9	16	
THERMAL						
HDT Flat wise / 1.82 MPa	°C	56	53	56	57	

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