

PURE® - Technical Data Sheet

PURE® - sheets

Version: 30-03-07

Product description	Sheets based on consolidated Pure®-fabric produced of co-extruded sealable tape
Colours	grey and white
width	1200 mm
length	Standard stock 2400 mm Other lengths on request
thickness	Standard 0.3 – 2 mm (0.13 mm /layer) On request every thickness available PURE® is easy to be converted into thick panels (up to 5 cm) Optionally thin material on roll

Technical Properties		Test method	Value	Unit
Bulk density		ASTM D792	0.78	g/cm ³
Tensile modulus		ISO 527-4	5.5	GPa
Tensile strength		ISO 527-4	200	MPa
Tensile strain to failure		ISO 527-4	9	%
Flexural modulus		ISO 178	4.5-5.5	GPa
Charpy Impact (FN)		ISO 179	(N, no break)!	kJ/m ²
Charpy Impact (EP notched type A)		ISO 179	(P) 140	kJ/m ²
Izod Impact (FN)		ISO 180	(N, no break)!	kJ/m ²
Izod Impact (EP notched type A)		ISO 180	(P) 126	kJ/m ²
Instrumented Falling Dart Impact (23 °C) (2.2 mm, clamped, 20 mm striker)		ISO 6603-2	9.51 51.46	kN (peak) J (at failure)
Instrumented Falling Dart Impact (23 °C) (2.2 mm, clamped, 10 mm striker)		ISO 6603-2	4.96 16.40	kN (peak) J (at failure)
Instrumented Falling Dart Impact (-40 °C) (2.2 mm, clamped, 10 mm striker)		ISO 6603-2	6.53 22.38	kN (peak) J (at failure)
Heat Deflection Temperature	1820 kPa	ASTM D648	95	°C
	455 kPa		130	°C
Coefficient of Thermal Expansion (-20 °C to 100 °C)		ASTM E228	23	10 ⁻⁶ K ⁻¹
Coefficient of Thermal Conductivity (2.25 mm)		EN-ISO 12567-1	0.044*	W/m.K
Fire Behavior – burning rate (1.6 mm)		ISO 3795	29	mm/min

* Depends strongly on the sheet thickness