



Technical Data Sheet

Product: *PL YTA PCV IKONOS PREMIUM 0,45 UV*

Mechanical Properties	Test Method	Unit	
Density	EN ISO 1183-1	g/cm ³	0,45
Hardness	ISO 868	Shore D	34
Tensile Strenght at Yield	ISO 527	Mpa	8,7
Elongation at Break	ISO 527	%	10
Charpy Impact Strength (Unnotched)	ISO 179-1	kJ/m ²	5,00

Thermal Properties

Vicat Softening Temperature	ISO 306 (Method A50)	°C	65
Heat Distortion Temperature (HDT)	ISO 75-1	°C	52
Coefficient of Linear Expansion ⁽²⁾		mm/m °C	
Thermal Conductivity ⁽²⁾		W/m K	

Other Properties

Water Absorption	ISO 62	%	<0,2
Physiological Assessment			Harmless
Fire Behavior ⁽¹⁾	EN 13501-1		B S2 d0

All specifications here in this Technical Data Sheet are considered to be approximate values related to the particular material and may differ based on the processing techniques employed. Typically, the data provided pertains to average values obtained from extruded sheets with a thickness of 5 mm. The appropriateness of materials for a given application must be evaluated by the party responsible for processing or the end-user. The technical specifications outlined in this document are intended solely to assist in project planning and do not serve as a guarantee of specific properties or qualities. BasicFoam products are suitable for UV printing.

(1) Applies for 3mm, 5mm, 10mm

(2) Data will be provided