



ABG FILAMENT PLA TDS

PHYSICAL, MECHANICAL AND THERMAL PROPERTIES

Properties	Test Condition	Test Method	Unit	Typical Value
Specific Gravity		ASTM D792		1,24
Molding Shrinkage		ASTM D955	%	0,2-0,4
Melt Flow Rate	220 °C/10 Kg	ASTM D1238	g/10 min.	27
Tensile Strength	@3,2mm Yield 50mm/dak.	ASTM D638	kg/cm ²	590
Tensile Elongation	@3,2mm Break 50mm/min.	ASTM D638	%	4
Tensile Modulus	@3,2 mm 1mm/min.	ASTM D638	kg/cm ²	33,000
Flexural Strength	@3,2mm 15mm/min.	ASTM D790	kg/cm ²	550
Flexural Modulus	@3,2mm 15mm/min.	ASTM D790	kg/cm ²	23,000
Izod Impact Strength 6,4mm Notched	23°C -30°C	ASTM D256	kg·cm/cm kg·cm/cm	16 10
Izod Impact Strength 3,2mm Notched	23°C -30°C	ASTM D256	kg·cm/cm kg·cm/cm	16 10
Rockwell Hardness	R-Scale	ASTM D785		75
Vicat Softening Temperature	5kg, 50°C/h	ASTM D1525	°C	58

