

TECHNICAL DATASHEET OF ACRIDITE®

	PROPERTIES	NORM	UNITS	VALUE
GENERAL PROPERTIES	Density	ISO 1183		1,19
	Water absorption	ISO 62	%	0,2
MECHANICAL PROPERTIES	Tensile strength	ISO 527	MPa	73
	Modulus of elasticity in tension	ISO 527	MPa	3060
	Elongation at break	ISO 527	%	4,9
	Flexural strength	ISO 178	MPa	110
	Modulus of elasticity in flexure	ISO 178	MPa	3000
	Rockwell hardness	ISO D 2039		90
	Compressing strength	ISO 684	MPa	110
OPTICAL PROPERTIES	Light transmission	ISO 3557	%	91
	Light transmission (420nm)	ISO 3557	%	91
	Refractive index	ISO 489		1,49
ELECTRICAL PROPERTIES	Dielectric strength	DIN 53481	KV/mn	20 A 25
THERMAL PROPERTIES	Coefficient of linear expansion	ASTM D696	Mm/m/°C	0,08
	Thermal conductivity	DIN 52612	W/m/°C	0,19
	Vicat softening temperature	ISO 386 (87)	°C	105
	HDT	ISO 75/A	°C	102
	Max. temperature of exercise		°C	80
	Temperature of thermoforming		°C	140 - 150
	Max. heating temperature		°C	180
	Max. linear shrinkage after heating (thickness.>3mm)		%	2
	Max. superficial temperature for infrared ray sheets		°C	205

	PROPERTIES	NORM	UNITS	VALUE
FIRE RESISTANCE PROPERTIES	Test for inflammable material			dripping
	Fire resistance	DIN 4102		B2
	Fire resistance	BS 476 PART 7	°C	CLASS 4
	Fire resistance	UL 94		HB
	Oxygen index	ISO 5107	%	18
	Chlorine rate		%	0
	Nitrogen rate		%	<0,02

Information given in good faith but without guarantee