SINKRAL C 442

ABS
Extrusion, Spritzguss, gut fließend, hochschlagzäh, hitzebeständig

	Properties	Test condition	Method	Unit	Value
Physical	Density		ISO 1183	g/cm³	1,04
	Water Absorption	24 h - 23°C	ASTM D 570	%	0.3
Rheological	Melt Flow Rate (MFR)	220°C - 10 kg	ISO 1133	g/10 min	6
Mechanical	Tensile Strength	50 mm/min	ASTM D 638	MPa	43
	Strain at Break	50 mm/min	ASTM D 638	%	45
	Flexural Strength	2 mm/min	ASTM D 790	MPa	65
	Flexural Modulus	2 mm/min	ASTM D 790	MPa	2300
	Izod Impact, notched	+23°C - thickness 3.2 mm	ISO 180/4A	J/m	200
	Izod Impact, notched	0°C - thickness 3.2 mm	ISO180/4A	J/m	165
	Izod Impact, notched	-20°C - thickness 3.2 mm	ISO 180/4A	J/m	125
	Izod Impact, notched	-40°C - thickness 3.2 mm	ISO 180/4A	J/m	100
	Izod Impact, notched	+23°C - thickness 4 mm	ISO 180/1A	kJ/m²	17
	Izod Impact, notched	-40°C - thickness 4 mm	ISO 180/1A	kJ/m²	9
	Charpy Impact Strength, notched	+23°C	DIN 53453	kJ/m²	12
	Charpy Impact Strength, unnotched	+23°C	DIN 53453	kJ/m²	NB
	Charpy Impact Strength, unnotched	-40°C	DIN 53453	kJ/m²	NB
	Rockwell Hardness	R-scale	ISO 2039/2	-	R110
Thermal	Vicat Softening Temperature	10 N - 120°C/h	ISO 306/A120	°C	114
	Vicat Softening Temperature	50 N - 120°C/h	ISO 306/B120	°C	108

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	Properties	Test condition	Method	Unit	Value
					108
	Coefficient of Linear Thermal Expansion		ASTM D 696	10^-5 /°C	9
	Thermal Conductivity		ASTM C 177	W/(Kxm)	0.17
	Moulding Shrinkage		internal	%	0.4 - 0.6
Flammability	Flame Behaviour	thickness 1.5 mm	UL 94	class	HB
	Glow Wire Test (GWT)	thickness 3 mm	IEC 60695-2-1	°C	650
Electrical	Surface Resistivity	dry	IEC 60093	Ω	10E14
	Volume Resistivity	dry	IEC 60243	kV/mm	10E15
	Dielectric Strength	dry	IEC 60243	kV/mm	30
	Dielectric Constant (relative permittivity)	1000 Hz - dry	IEC 60250	-	3.1
	Dissipation Factor	1000 Hz - dry	IEC 60250	-	15x10E-3

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delievery.

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