

Niblend S65/M

PC-ABS alloy of medium thermic resistance for the extrusion of profiles used by the automotive industry

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	9
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	40
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	60
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	1700
	Rockwell Hardness		ASTM D785	R-scale	110
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	350
	Izod Notched Impact Strength	-20°C/3,2 mm	ASTM D256	J/m	150
	Elongation	50 mm/min	ASTM D638	%	50
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	115
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	110
	Coef. Dilatazione Termica Lineare	23/55 °C	ISO 11359-2	10 ⁻⁵ K ⁻¹	9
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	650
	UL 94 Rating	S=1.6 mm	UL 94	class	HB
	UL 94 Rating	S=3.2 mm	UL 94	class	HB
Electrical	Dielectric Strength	S=1 mm	IEC 60243-1	KV/mm	25
	Relative Permittivity	1 Mhz = secco	IEC 60250	-	2,9
	Dissipation Factor	1 Mhz = secco	IEC 60250	-	0,05
	Surface Resistivity	secco	IEC 60093	Ω	10 ¹⁵
	Volume Resistivity	secco	IEC 60093	Ω cm	10 ¹⁵
Various	Density		ASTM D792	g/cm ³	1,12
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,2

	Properties	Test condition	Method	Unit	Value
	Moulding Shrinkage	parallel	-	%	0,5-0,8

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 delivery.