

# Niblend FR54

PC-ABS Alloy, flame retardant, with UL 94 V0 1.6 mm rating, highthermic resistance, suitable

For injection moulding

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	260°C / 5 kg	ASTM D1238	g/10min	18
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	60
	Tensile Stress at Break	5 mm/min	ASTM D638	MPa	50
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	90
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	2600
	Rockwell Hardness		ASTM D785	R-scale	115
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	500
	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	130
	Coef. Dilatazione Termica Lineare	23/55 °C	ISO 11359-2	10 <sup>-5</sup> K <sup>-1</sup>	8
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	960
	UL 94 Rating	S=1.6 mm	UL 94	class	V0
	UL 94 Rating	S=3.2 mm	UL 94	class	V0
Various	Density		ASTM D792	g/cm <sup>3</sup>	1,19

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.



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