

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 ⁻⁵ K ⁻¹	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 ³	1,19