



This datasheet of **RADIFLAM® A FR** from **RadiciPlastics** is provided by the international plastics database **CAMPUS**.

You may **contact the supplier** for more information about this grade.

RADIFLAM® A FR | PA66 FR | RadiciPlastics

Product Texts

DESIGNATION:

Thermoplastics ISO1874-PA66,MFR,-040

BRIEF DESCRIPTION:

PA66 Flame retardant injection moulding grade

Halogens and phosphorus free.

UL94 V0 rated at 0,8mm

Mechanical properties

	dry / cond	Unit	Test Standard
Tensile Modulus	3550 / -	MPa	ISO 527-1/-2
Stress at break	70 / -	MPa	ISO 527-1/-2
Strain at break	4.5 / -	%	ISO 527-1/-2
Charpy impact strength, +23°C	N / -	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	3 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.1 / -	kJ/m ²	ISO 179/1eA

Thermal properties

	dry / cond	Unit	Test Standard
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	70 / *	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	200 / *	°C	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	220 / *	°C	ISO 306
Burning Behav. at 1.5 mm nom. thickn.	V-0 / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
Burning Behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-

Electrical properties

	dry / cond	Unit	Test Standard
Volume resistivity	>1E13 / 1E13	Ohm*m	IEC 60093
Surface resistivity	* / 1E14	Ohm	IEC 60093
Comparative tracking index	* / 600	-	IEC 60112

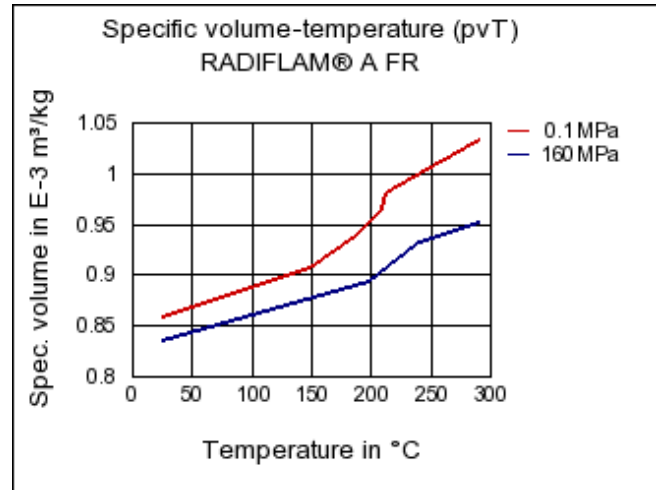
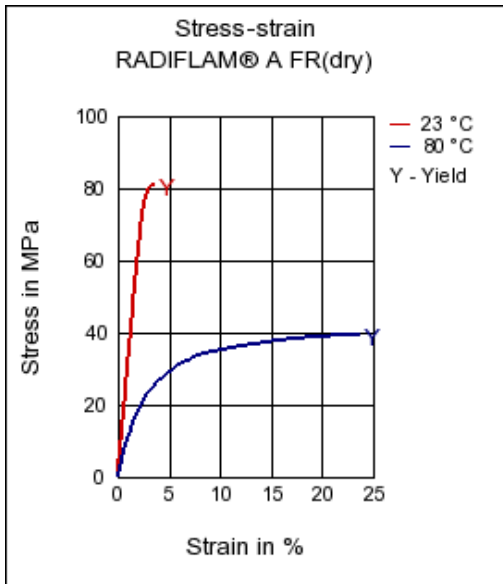
Other properties

	dry / cond	Unit	Test Standard
Water absorption	7.7 / *	%	Sim. to ISO 62
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1120 / *	kg/m ³	ISO 1183

Test specimen production

	Value	Unit	Test Standard
Processing conditions acc. ISO	1870	-	ISO ...-2
Injection Molding, melt temperature	270	°C	ISO 294
Injection Molding, mold temperature	60	°C	ISO 10724

Diagrams



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Additives

Lubricants

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa

Other text information

Injection molding

PREPROCESSING

Max. water content 0.2%

Drying temperature 80°C

Drying time 2-4h (dry air dryer)

PROCESSING

Melt temperature 270°C

Mold temperature 60°C

Disclaimer

This database provides the technical properties of thermoplastics produced and marketed by RADICI NOVACIPS and his subsidiaries companies:

RADILON® A	Polyamide 66
RADILON® S	Polyamide 6
RADILON® CA	Copolyamide 66/6
RADILON® CS	Copolyamide 6 semiaromatic
RADITER® B	Poly(butylene terephthalate)
RADIFLAM® A	Polyamide 66, self-extinguishing
RADIFLAM® S	Polyamide 6, self-extinguishing
RADIFLAM® B	Polybutylene terephthalate, self-extinguishing
HERAFLEX® A	Styrene Thermoplastic Elastomer SEBS
HERAFLEX® E	Ether-Ester Thermoplastic Elastomer
HERAFLEX® B	Styrene Thermoplastic Elastomer SBS
HERAFLEX® P	Modified Polypropylene
RADILENE® R	Polyethylene and Polypropylene

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