

Radiflam® A FR 100 NAT

Polyamide 66

Radici Plastics



ides.com/prospector

Technical Data

Product Description

PA66 flame retardant injection moulding grade. Halogens and phosphorus free. Suitable for monofilament extrusion. Natural colour

General

Material Status	• Commercial: Active		
UL Yellow Card ¹	• E148796-101473208 • E195505-101510615 • E337835-101516803 • E195508-101520606		
Search for UL Yellow Card	• Radici Plastics		
Availability	• Africa & Middle East • Asia Pacific	• Europe • North America	• South America
Additive	• Flame Retardant		
Features	• Flame Retardant	• Halogen Free	• Low (to None) Phosphorus Content
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion		

Physical	Dry	Conditioned	Unit	Test Method
Density	1.12	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	7.7	--	%	
Equilibrium, 23°C, 50% RH	1.8	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3550	--	MPa	ISO 527-2
Tensile Stress (Break)	70.0	--	MPa	ISO 527-2
Tensile Strain (Break)	4.5	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/eA
-30°C	3.1	--	kJ/m ²	
23°C	3.0	--	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/eU
-30°C	No Break	--		
23°C	No Break	--		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/Bf
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature	220	--	°C	ISO 306/B50
Melting Temperature (DSC)	260	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	--	ohm	IEC 60093
Volume Resistivity	1.0E+14	1.0E+13	ohm·cm	IEC 60093
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
0.800 mm	V-0	--		
1.60 mm	V-0	--		

Additional Information

Dry The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-1-3 at a heating rate of 10°C/min.

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Notes

¹ A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

² Typical properties: these are not to be construed as specifications.

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Where to Buy

Supplier

Radiflam® A FR 100 NAT

Radici Plastics

, Italy

Telephone: 39-035-499-1311

Web: <http://www.radicigroup.com/plastics/>

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Telephone: 39-035-499-1311

Web: <http://www.radicigroup.com/plastics/>

Distributor

Radiflam® A FR 100 NAT

Plastribution

Telephone: +44-845-345-4560

Web: <http://www.plastribution.co.uk/>

Availability: United Kingdom

PolySource

Telephone: 866-558-5300

Web: <http://www.polysource.net/>

Availability: North America

Tex-Co Resin Distribution, Inc.

Telephone: 877-908-3926

Web: <http://www.texcoresin.com/>

Availability: North America

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Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"

– Birgit Elvardt Bader, Production Manager, Micotron

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Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



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"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."

– Kevin Chase, Owner & President, Chase Plastics



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