

Radilon® A HSK 164 NAT

Polyamide 66

Radici Plastics

Message:

PA66 injection moulding grade. Internally lubricated, fast cycles, easy mould release. Heat stabilized. Natural colour.

Suitable for high productivity applications like fasteners, connectors, cable ties.

ISO 1043 : PA66-T

General Information				
UL YellowCard		E148796-101473264	E195505-101510669	E337835-101516859
		E195508-101520661		
Additive	Heat Stabilizer			
Features	Fast Molding Cycle			
	Good Mold Release			
	Heat Stabilized			
	Lubricated			
Uses				
	Connectors			
	Fasteners			
Wire & Cable Applications				
RoHS Compliance		RoHS Compliant		
UL File Number		E116324		
Appearance		Natural Color		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA66-T		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C, 2.00 mm	8.9	--	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	2.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3200	1300	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	85.0	55.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.5	30	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	30	> 50	%	ISO 527-2/1A/50
Flexural Modulus ¹	3000	--	MPa	ISO 178
Flexural Stress ²	110	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.0	--	kJ/m ²	
23°C	5.0	12	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)				ISO 179/1eU
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	240	--	°C	ISO 306/B50
Melting Temperature ³	260	--	°C	ISO 11357
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms · cm	IEC 60093
Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	0.0	--	mm/min	FMVSS 302
Flame Rating				UL 94
0.400 mm	V-2	--		
0.800 mm	V-2	--		
Glow Wire Flammability Index (2.00 mm)	800	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature - Desiccant Dryer	80.0		°C	
Drying Time - Desiccant Dryer	2.0 to 4.0		hr	
Dew Point - Desiccant Dryer	< -20.0		°C	
Suggested Max Moisture	0.15		%	
Processing (Melt) Temp	270 to 290		°C	
Mold Temperature	70.0 to 90.0		°C	
Injection Rate	Moderate			
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

