

Radilon® A 50W 100 M NAT 5770

Polyamide 66

Radici Plastics

Message:

PA66 very high viscosity extrusion grade. Heat stabilized. Natural colour.

Suitable for extrusion processes where very high impact resistance and excellent heat ageing properties are required. Also suitable for injection moulding of high thickness items.

ISO 1043 : PA66-T

General Information				
Additive	Heat Stabilizer			
Features	Good Heat Aging Resistance			
	Heat Stabilized			
	High Impact Resistance			
	High Viscosity			
RoHS Compliance	RoHS Compliant			
Appearance	Natural Color			
Processing Method	Extrusion			
	Injection Molding			
Resin ID (ISO 1043)	PA66-T			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183
Viscosity Number (H ₂ SO ₄ (Sulphuric Acid))	295	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	--	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	80.0	--	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	--	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	40	--	%	ISO 527-2/1A/50
Flexural Modulus ¹	3000	--	MPa	ISO 178
Flexural Stress ²	125	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0	--	kJ/m ²	ISO 179/1eA
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0	--	°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
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate	0.0	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94
Glow Wire Flammability Index (2.00 mm)	750	--	°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	280 to 300		°C	
Mold Temperature	70.0 to 90.0		°C	
Injection Rate	Moderate			
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.15		%	
Melt Temperature	280 to 300		°C	
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.

Recommended distributors for this material

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



WECHAT