

Radilon® A 24EPT3010UK 333 NER

Polyamide 66

Radici Plastics

Message:

PA66 low viscosity injection moulding grade. Toughened and plasticized. Improved UV resistance. Natural colour.

Suitable for parts requiring high productivity like fasteners, connectors, cable ties.

ISO 1043 : PA66-HITP

General Information				
Features	Good Toughness			
	Good UV Resistance			
	Low Viscosity			
	Plasticized			
Uses	Connectors			
	Fasteners			
	Wire & Cable Applications			
RoHS Compliance	RoHS Compliant			
Appearance	Natural Color			
Processing Method	Extrusion			
	Injection Molding			
Resin ID (ISO 1043)	PA66-HITP			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm ³	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1150	--	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	40.0	--	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	25	--	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 100	--	%	ISO 527-2/1A/50
Flexural Modulus ¹	950	--	MPa	ISO 178
Flexural Stress ²	33.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	80	--	kJ/m ²	ISO 179/1eA
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	50.0	--	°C	ISO 75-2/Af

Vicat Softening Temperature	120	--	°C	ISO 306/B50
Melting Temperature ³	255	--	°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	< 30	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94
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			
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	2.0 to 4.0		hr	
Suggested Max Moisture	0.15		%	
Melt Temperature	270 to 290		°C	
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10°C/min			

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