Radilon® A 50E 100 NAT

Polyamide 66

Radici Plastics

Message:

PA66 very high viscosity extrusion grade. Natural colour.
Suitable for extrusion of tubes, profiles, bars, rods and sheets.
ISO 1043 : PA66

General Information	
Features	High Viscosity
Uses	Profiles Rods Sheet Tubing
RoHS Compliance	RoHS Compliant
Appearance	Natural Color
Processing Method	Extrusion Injection Molding
Resin ID (ISO 1043)	PA66

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm³	ISO 1183
Viscosity Number (H2SO4 (Sulphuric Acid))	295	--	cm³/g	ISO 307
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	3050	--	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	80.0	--	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	4.5	--	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	75	--	%	ISO 527-2/1A/50
Flexural Modulus [1]	2900	--	MPa	ISO 178
Flexural Stress [2]	115	--	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	7.5	--	kJ/m²	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
Comparative Tracking Index	600	--	V	IEC 60112
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			

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