

# NAN YA FR-PP PRODUCT INFORMATION

GRADE : 3307 UNC1—Flame Retarded Grade PP

PROPERTIES		TEST METHOD	UNIT	REF. VALUE	REFERENCE MOLDING CONDITIONS		
1.Physical					Drying Time	Hrs	1
Tensile Strength at Yield	ASTM D-638	kg/cm <sup>2</sup>	340	Drying Temp.	°C	100	
Elongation	ASTM D-638	%	---	Cylinder Temp.			
Flexural Strength	ASTM D-790	kg/cm <sup>2</sup>	45	Rear	°C	175	
Flexural Modulus	ASTM D-790	kg/cm <sup>2</sup>	13000	Center	°C	185	
IZOD Impact (Notched)	ASTM D-256	kg-cm/cm	4.4	Front	°C	190	
Rockwell Hardness	ASTM D-785	R-Scale	94	Nozzle Temp.	°C	190	
2.Thermal					Mold Temp.	°C	50
Melting Point	DSC	°C	165	Injection Pressure	kg/cm <sup>2</sup>	400~800	
H.D.T. (4.6 kg/cm <sup>2</sup> )	ASTM D-648	°C	110	Screw Rotation speed	rpm	180	
Melting Flow Index (MFI)	ASTM D-1238	g/10 min	18	Injection Speed	--	fast	
3.Electrical					Injection M/C : 3 OZ FT-60 Mold : ASTM Test Bar Gate Size: 5.8mmx1.2mm Test Bar Thickness : 3.0mm Test Condition: 23°C , 50%RH		
Volume Resistivity	ASTM D-257	Ω · cm	10 <sup>16</sup>				
Dielectric Strength	ASTM D-149	kv/mm	40				
Dielectric Constant (10 <sup>6</sup> HZ)	ASTM D-150	--	2.4				
Dissipation Factor (10 <sup>6</sup> HZ)	ASTM D-150	--	---				
Arc Resistance	ASTM D-495	sec.	130				
4.Others					NAN YA PLASTICS CORPORATION PLASTICS 3rd DIVISION ENGINEERING PLASTICS DEPT.		
Specific Gravity	ASTM D-792	--	0.97				
Mold Shrinkage (MD)	3 mmt	%	1.3~1.7				
Mold Shrinkage (TD)	3 mmt	%	1.3~1.7				
Flammability	UL 94	--	V0				
Remarks	UL FILE NO:E130155(M)						

Melting Flow Index Test Condition: 230°Cx2.16Kg

The values in this table are for reference only.

2016/12/13