

Technical Data Sheet

Polyflam NPP00GT20NA-NA EFFARNAT



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyflam NPP00GT20NA-NA EFFARNAT is a Polypropylene, Unspecified material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Forms	Pellets
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	15	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	34.5	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1590	MPa	ASTM D790
(23 °C, Tangent)	1740	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	40	%	ASTM D638
Flexural Strength, (23 °C)	44.8	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	1.13	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	590	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	32	J/m	ASTM D256
Hardness			
Durometer Hardness, (Shore D)	72		ASTM D2240
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	57.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	107	°C	ASTM D648
RTI Elec, (0.79 mm)	65.0	°C	UL 746B
RTI Imp, (0.79 mm)	65.0	°C	UL 746B
RTI Str, (0.79 mm)	65.0	°C	UL 746B
UL Information			
Flame Rating, (0.79 mm)	V-0		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	177 to 227	°C
Mold Temperature	30 to 60	°C