

Technical Data Sheet

Polyflam 12N5006NR5A123

Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyflam 12N5006NR5A123 is a Polypropylene, Unspecified material. Features include: Low Blooming.

Attribute	Low Blooming
Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	10	g/10 min	ASTM D1238
Density - Specific Gravity	0.938	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	17.9	MPa	ASTM D638
Flexural Modulus, (Tangent)	862	MPa	ASTM D790
Impact			
Gardner Impact	21.5	J	ASTM D5420
Notched Izod Impact	No Break		ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	79.4	°C	ASTM D648
RTI Str	115	°C	UL 746B
UL Information			
Flame Rating, (1.5 mm)	V-2		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	4	hr
Drying Temperature	82	°C
Nozzle Temperature	177 to 227	°C
Processing (Melt) Temp	182 to 227	°C
Front Temperature	177 to 227	°C
Middle Temperature	177 to 227	°C
Rear Temperature	177 to 216	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C
Cushion	6.35 to 12.7	mm