Technical Data Sheet

Polyflam 14N6002ND7033BWN

Polypropylene Copolymer

Product Description

Matrixx 14N6002N is a Medium Impact Flame Retardant Polypropylene Copolymer

Processing Method	Injection Molding
Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	20	g/10 min	ASTM D1238
Density - Specific Gravity	1	g/cm³	ASTM D792
Mechanical			
Tensile Strength at Yield	24.1	MPa	ASTM D638
Flexural Modulus, (Tangent)	1100	MPa	ASTM D790
Impact			
Gardner Impact	19.2	J	ASTM D5420
Notched Izod Impact	110	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	51.7	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	79.4	°C	ASTM D648
RTI Elec	110	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	V-0		UL 94
UL File Number, (USA)	E51193		

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°C
Nozzle Temperature	188 to 227	°C
Processing (Melt) Temp	188 to 227	°C
Front Temperature	188 to 216	°C
Middle Temperature	188 to 216	°C
Rear Temperature	182 to 199	°C
Injection Rate	Moderate	
Back Pressure	0.00 to 0.689	MPa
Mold Temperature	27 to 60	°C