Technical Data Sheet

Polyflam 12N6002ND7033BWN-SF

Polypropylene Copolymer

Product Description

Polyflam 12N6002ND7033BWN-SF is a Polypropylene Copolymer material.

Additive Flame Retardant

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	18	g/10 min	ASTM D1238
Density - Specific Gravity	0.938	g/cm³	ASTM D792
Mechanical			
Tensile Elongation at Yield, (23 °C, 3.18 mm)	13	%	ASTM D638
Tensile Strength at Yield, (23 °C, 3.18 mm)	22.8	MPa	ASTM D638
Flexural Modulus, (23 °C, 3.18 mm, Tangent)	1170	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C, 3.18 mm)	19.2	J	ASTM D5420
Notched Izod Impact, (23 °C, 3.18 mm)	130	J/m	ASTM D256
Thermal			
RTI Elec, (1.5 mm)	115	°C	UL 746B
RTI Imp, (1.5 mm)	115	°C	UL 746B
RTI Str, (1.5 mm)	115	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-2		UL 94
(3.0 mm)	V-2		UL 94
(1.0 mm)	V-2		UL 94
UL File Number	E51193		

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82	°C
Screw Speed	20 to 60	rpm
Processing (Melt) Temp	182 to 227	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C