Technical Data Sheet

Matrixx 14N5004NC

Polypropylene Copolymer
LyondellBasell Industries
Engineering Plastics

Product Description	
Flame Retardant Copolymer Polypropylene	
General	
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	10 g/10 min	10 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	3400 psi	23.4 MPa	ASTM D638
Flexural Modulus - Tangent	165000 psi	1140 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact	2.7 ft·lb/in	140 J/m	ASTM D256
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Flame Rating (0.06 In (1.5 Mm))	V-0	V-0	UL 94

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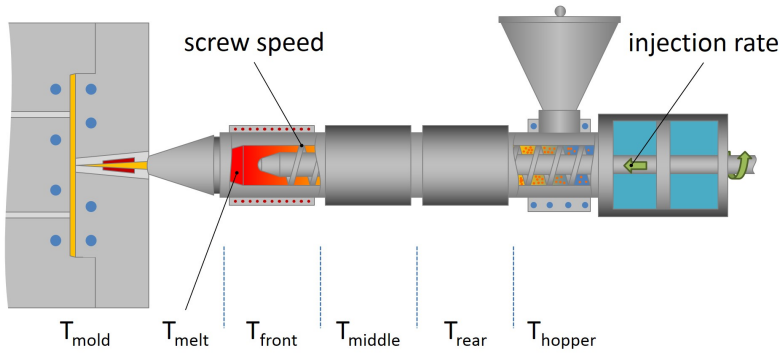

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature - Desiccant Dryer	160 to 170 °F	71 to 77 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Rear Temperature	360 to 390 °F	182 to 199 °C
Middle Temperature	370 to 420 °F	188 to 216 °C
Front Temperature	390 to 420 °F	199 to 216 °C
Nozzle Temperature	400 to 440 °F	204 to 227 °C
Processing (Melt) Temp	370 to 440 °F	188 to 227 °C
Mold Temperature	80 to 120 °F	27 to 49 °C
Injection Rate	Moderate	Moderate
Back Pressure	50.0 to 100 psi	0.345 to 0.689 MPa
Injection Notes		
Drying General not needed, But may be used to improve appearance.		

Notes

These are typical property values not to be construed as specification limits.