

PHYSICAL PROPERTIES	NOMINAL VALUES	METHOD
DENSITY	1.05 g/cm <sup>3</sup>	ISO 1183/B
APPARENT DENSITY	0.65 g/cm <sup>3</sup>	ISO 60
MELT MASS-FLOW RATE (MFR) (220°/10.0KG)	5.2 g/10 min	ISO 1133
MELT VOLUME-FLOW RATE (MFR) (220°/10.0KG)	0.323 in <sup>3</sup> /10min	ISO 1133
MOLDING SHRINKAGE - FLOW	0.0040 to 0.0070 in/in	ISO 294-4

MECHANICAL PROPERTIES	AVERAGE VALUES	METHOD
TENSILE MODULUS 0.126 IN (3.20 MM) INJECTION MOLDED	310000 PSI	ISO 527-2
TENSILE STRESS YIELD 0.126 IN (3.20 MM) INJECTION MOLDED	6240 PSI	ISO 527-2/50
TENSILE STRAIN YIELD 0.126 IN (3.20 MM) INJECTION MOLDED	2.7%	ISO 527-2/50
FLEXURAL MODULUS 0.126 IN (3.20 MM) INJECTION MOLDED	297000 PSI	ISO 178 <sup>1,2</sup>
FLEXURAL STRENGTH 0.126 IN (3.20 MM) INJECTION MOLDED	9430 PSI	ISO 178 <sup>1,2</sup>

ELASTOMERS	AVERAGE VALUES	METHOD
FOGGING	98%	ISO 6452 <sup>3</sup>

IMPACT PROPERTIES	AVERAGE VALUES	METHOD
CHARPY NOTCHED IMPACT STRENGTH -22°F INJECTION MOLDED	6.2 ft-lb/in <sup>2</sup>	ISO 179/1eA
CHARPY NOTCHED IMPACT STRENGTH -22°F INJECTION MOLDED	4.3 ft-lb/in <sup>2</sup>	ISO 179/2C
CHARPY NOTCHED IMPACT STRENGTH 73°C INJECTION MOLDED	11 ft-lb/in <sup>2</sup>	ISO 179/1eA
CHARPY NOTCHED IMPACT STRENGTH 73°C INJECTION MOLDED	7.1 ft-lb/in <sup>2</sup>	ISO 179/2C
NOTCHED IZOD IMPACT STRENGTH -22°C INJECTION MOLDED	5-7 ft-lb/in <sup>2</sup>	ISO 180/1A
NOTCHED IZOD IMPACT STRENGTH 73°C INJECTION MOLDED	12 ft-lb/in <sup>2</sup>	ISO 180/1A

THERMAL PROPERTIES	AVERAGE VALUES	METHOD
HEAT DEFLECTION TEMPERATURE 264 PSI (1.8 MPa), ANNEALED	214°F	ISO 75-2/A
VICAT SOFTENING TEMPERATURE	216°F	ISO 306/B50

FLAMMABILITY PROPERTIES	AVERAGE VALUES	METHOD
BURNING RATE (0.0787 IN (2.00 MM))	2.2 in/min	ISO 3795 <sup>3</sup>
FLAME RATING - UL 0.0591 IN (1.50 MM)	HB	UL 94 <sup>3</sup>
FLAME RATING - UL 0.118 IN (3.00 MM)	HB	UL 94 <sup>3</sup>
CARBON EMISSION	30.0 µg/g	VDA 277

SPOOL SIZE	DIAMETER	COLOR	PACKAGING
250g	1,75mm	Various	Cardboard box, vacuum and silica
1Kg	1,75mm / 2,85mm	Various	Cardboard box, vacuum and silica

\* The indicated parameters are valid for correctly calibrated printers (PyD, mechanical and fuser).  
 \* Supervised and tested manufacturing process (diameter, color and winding) to guarantee the quality of our product.