

LNP™ VERTON™ PX06419 compound

Polyamide 6

SABIC Innovative Plastics

Technical Data

Product Description

LNP* VERTON* PX06419 is a compound based on Nylon 6 resin containing Proprietary Filler(s). Added features of this material include: Heat Stabilized, Structural.

Also known as: LNP* VERTON* Compound PDX-P-00783 HS
Product reorder name: PX06419

General

Filler / Reinforcement	• Proprietary
Additive	• Heat Stabilizer
Features	• Heat Stabilized
Uses	• Structural Parts
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.61 g/cm ³	ASTM D792
Molding Shrinkage - Flow (24 hr)	0.20 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus ³	17400 MPa	ASTM D638
Tensile Strength (Break)	229 MPa	ASTM D638
Tensile Elongation (Break)	2.2 %	ASTM D638
Flexural Modulus	15200 MPa	ASTM D790
Flexural Strength	296 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	360 J/m	ASTM D256
Unnotched Izod Impact (23°C)	1600 J/m	ASTM D4812

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed, 3.20 mm	206 °C	ASTM D648

Injection	Nominal Value Unit
Drying Temperature	82.2 °C
Drying Time	4.0 hr
Suggested Max Moisture	0.15 to 0.25 %
Rear Temperature	249 to 260 °C
Middle Temperature	266 to 277 °C
Front Temperature	277 to 288 °C
Processing (Melt) Temp	266 to 277 °C
Mold Temperature	82.2 to 93.3 °C
Back Pressure	0.344 to 0.689 MPa
Screw Speed	30 to 60 rpm

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ 50 mm/min