

Nylene® PX3422

TECHNICAL DATASHEET

TDS Ref # 896 Reviewed: 2/17/2016

DESCRIPTION

- Nylene PX3422 is very tough heat-stabilized, modified nylon 6 molding resin with very high impact resistance.

PROPERTIES	TEST METHOD	UNIT	VALUE
PHYSICAL PROPERTIES			
Specific Gravity	D792	n/a	1.07
MECHANICAL PROPERTIES			
Elongation @ Break	D638	[%]	310
Flexural Modulus	D790	psi (MPa)	210,000 (1,450)
Notched Izod @ 23°C	D256	ftlb/in (J/m)	20.0 (1070)
Tensile Strength	D638	psi (MPa)	6,400 (45)
THERMAL PROPERTIES			
DTUL @ 455 KPa	D648	°F (°C)	108 (42)
Melt Point	D3418	°F (°C)	417 (214)

NOTES

- Testing conducted on dry-as-molded specimens at 73°F

PROCESSING CONSIDERATIONS: OTHER IMPACT MODIFIED

Please contact for processing information on this product.

CHARACTERISTICS

Resin Type: Nylon 6
Product Characteristics:
Impact Modified, High Impact

EXTRUSION PROCESSING

Film

INJECTION MOLDING PROCESSING

Prime Grade

FEATURES

- Superior elongation properties

MARKETS USED

- Automotive Applications
- Packaging Industry
- Food Packaging

APPLICATIONS

- Puncture Resistant Film

DISCLAIMER

The data set forth herein has been carefully compiled by Nylene in our laboratories. Values shown are typical properties and not specifications. Since processing variables will affect properties, the reproducibility of our data in a customer's testing facility is not guaranteed. There is no warranty of any kind, either expressed or implied, applicable to the use of this information, and the user assumes all risk and liability in connection therewith.



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