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Product Specifications

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Zytel® Polyamide 66 DuPont Engineering Polymers / Americas 103FHS NC010 (Cond)

NY DUP ZYT 103 F HS BKB 009 ZYTEL (Data Sheet)

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Product Information

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Pricing

Container Description

BAG

Grade

Generic Name

Polyamide 66

Generic Symbol

Nylon 66

Grade

103FHS NC010 (Cond)

Tradename

Zytel®

Manufacturer

Supplier

DUPONT, EI DENEMOURS

General

Additive (0.060 %)

Heat Stabilizer

Additive (0.060 %)

Lubricant

Additive (0.060 %)

Mold Release

Ashland product code

5903734 100 01S

Ashland Product Description

NY DUP ZYT 103 F HS BKB 009 ZYTEL (Data Sheet)

Availability

North America

Forms

Pellets

Material Status

Commercial: Active

Mechanical

Flexural Modulus (170 °F) (ASTM D790) (psi)

82000

Flexural Modulus (250 °F) (ASTM D790) (psi)

60000

Flexural Modulus (73 °F) (ASTM D790) (psi)

175000

Shear Strength (ASTM D732) (psi)

9500

Tensile Elongation @ Brk (73 °F) (ASTM D638) (%)	250
Tensile Impact Strength (250 °F, Type L) (ASTM D1822) (ft-lb/in ²)	No Break
Tensile Strength (73 °F) (ASTM D638) (psi)	8500

Impact

Notched Izod Impact (170 °F) (ASTM D256) (ft-lb/in)	3.60
Notched Izod Impact (73 °F) (ASTM D256) (ft-lb/in)	1.50

Thermal

Test Standards Available	ASTM
Test Standards Available	ISO 10350

Process

Processing Method	Injection Molding
Recycled Content	No

Electrical

Dielectric Constant (100 Hz) (ASTM D150)	7.000
Dielectric Constant (1000 Hz) (ASTM D150)	5.600
Dielectric Constant (1000000 Hz) (ASTM D150)	3.600
Dissipation Factor (100 Hz) (ASTM D150)	0.20
Dissipation Factor (1000 Hz) (ASTM D150)	0.15
Dissipation Factor (1000000 Hz) (ASTM D150)	0.060
Volume Resistivity (ASTM D257) (ohm-cm)	1.0E+011

Applications

Features	Lubricated
Features	Cycle (Production), Fast
Features	Heat Aging Resistance, Good
Uses	Connectors
Uses	Electrical/Electronic Applications
Uses	Automotive Applications
Uses	Fasteners

Additional Product Information

[Request Material Safety Data Sheet](#)

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