

N3D-FR512

Robust, ductile, and flame-resistant

designed with excellent green strength allowing for robust printing and easy cleanup and processing

Exceptional flame retardancy, self-extinguishing within 10 seconds



Benefits

- High strength & HDT
- Liquid at room temperature
- Robust printing and processing



Applications

- Flame retardant materials
- Electrical connectors
- Electronics
- Transportation

Physical Properties

Colour	Black
Type	PP

Mechanical Properties

		TEST/ISO
Tensile Strength (MPa)	36 ± 5	ASTM D638
Tensile Modulus (MPa)	1900 ± 200	
Elongation at Break (%)	20 ± 7	
Flexural Strength at 5% strain (MPa)	61 ± 4	ASTM D790
Flexural Modulus (MPa)	1800 ± 200	
Notched Izod Impact Strength (J/m)	35 ± 5	ASTM D256
Notched Charpy Impact Strength (J/m)	2.4 ± 0.4	ISO 179
Heat Deflection Temperature (°C)		
@ 0.45 MPA	95 ± 5	ASTM D648
@ 1.82 MPA	78 ± 3	
Glass Transition (Tg)	120 ± 4	ASTM D4065
Shore Hardness	84D ± 2	ASTM D2240
Water Absorption (%)	1.4	ASTM D570

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[Click here](#) to request a quote

Please be advised that all information provided in this document is representative of typical properties and as advised by the material manufacturer. Performance characteristics of these products may vary according to product application, operating conditions or with end use.

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