

BASF Capron® 8260 HS BK-102 40% Mineral-Filled Nylon 6 (Conditioned) (discontinued **)

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , 40% Mineral Filled

Material Notes:

Capron 8260 HS BK-102 is a heat stabilized, pigmented black, 40% mineral reinforced nylon 6 injection molding resin. It possesses high stiffness, dimensional stability and heat resistance combined with excellent processability including low warp and resistance to sink-mark formation. It maintains its inherent chemical resistance to greases, oils and hydrocarbons. Capron 8260 HS BK-102 is generally recommended for applications such as marine hardware, brackets, fittings, bobbins, office furniture, appliance components, and power tool housings. Data provided by Allied Signal. Capron® is no longer a part of the BASF standard line. The BASF nylon products have been consolidated in the Ultramid ® line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_BASF-Capron-8260-HS-BK-102-40-Mineral-Filled-Nylon-6-Conditioned-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in ³	(Dry)
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM Data MD (Dry)
Linear Mold Shrinkage, Transverse	0.011 cm/cm	0.011 in/in	ISO Data (Dry)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM data at 5 mm/min.
Tensile Strength, Yield	60.0 MPa	8700 psi	50 mm/min; Same value from ASTM and ISO test.
Elongation at Break	25 %	25 %	ASTM, 5 mm/minl
	25 %	25 %	Nominal
Elongation at Yield	13 %	13 %	ISO Value at 50 mm/min.
	15 %	15 %	ASTM Value at 50 mm/min.
Tensile Modulus	3.80 GPa	551 ksi	same value from ASTM and ISO test.

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	(Dry)

Processing Properties	Metric	English	Comments
Processing Temperature	275 °C	527 °F	See Materials Notes
Mold Temperature	95.0 °C	203 °F	See Materials Notes

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