

## PolyOne Edgetek® ET6620-0020 FRV0 Polyamide 66 (Nylon 66)

Category : Polymer , Thermoplastic , Nylon , Nylon 66

### Material Notes:

The Edgetek® Engineering Thermoplastic Compounds portfolio covers a broad range of standard and custom-formulated high performance materials. This portfolio includes high-temperature materials for elevated service temperature environments, high-modulus / structural materials for load-bearing and high-strength applications and flame-retardant products. These compounds are based on select engineering thermoplastic resins that are compounded with reinforcing additives such as carbon fiber, glass fiber and glass beads. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-ET6620-0020-FRV0-Polyamide-66-Nylon-66.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ET6620-0020-FRV0-Polyamide-66-Nylon-66.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Water Absorption	0.30 % @Temperature 23.0 °C	0.30 % @Temperature 73.4 °F	@ 24 hrs; Internal Method
Linear Mold Shrinkage, Flow	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	117 MPa	17000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Tensile Modulus	8.27 GPa	1200 ksi	ASTM D638
Flexural Strength	159 MPa	23100 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.350 J/cm	0.656 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	187 °C @Thickness 3.18 mm	369 °F @Thickness 0.125 in	Unannealed; ASTM D648
Flammability, UL94	V-0 @Thickness 1.59 mm	V-0 @Thickness 0.0626 in	UL 94
	V-0 @Thickness 3.18 mm	V-0 @Thickness 0.125 in	UL 94

Descriptive Properties	Value	Comments
Appearance	Black	
Features	Flame Retardant	
Forms	Pellets	
Generic Material	Nylon 66	
Generic Name	Polyamide 66 (Nylon 66)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	South America	
UL File Number	E41877	

## Contact Songhan Plastic Technology Co.,Ltd.

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