



Edgetek™ AS-000/000 AS UV

Acrylonitrile Butadiene Styrene

Key Characteristics

Product Description	
UV stabilized	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Additive	• UV Stabilizer
Features	• Good UV Resistance
Appearance	• Black
Processing Method	• Injection Molding

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Specific Gravity	1.05	1.05	ASTM D792
Molding Shrinkage - Flow	4.0E-3 to 7.0E-3 in/in	0.40 to 0.70 %	ASTM D955
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ²	5800 psi	40.0 MPa	ASTM D638
Flexural Modulus ³ (73°F (23°C))	334000 psi	2300 MPa	ASTM D790
Flexural Strength ³	10200 psi	70.0 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact			ASTM D256
73°F (23°C), 0.126 in (3.20 mm)	3.7 ft-lb/in	200 J/m	
Thermal	Typical Value (English)	Typical Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed, 0.126 in (3.20 mm)	190 °F	88.0 °C	
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	1.0E+15 ohms	1.0E+15 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating (0.0630 in (1.60 mm))	HB	HB	UL 94

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	176 to 185 °F	80.0 to 85.0 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	392 to 464 °F	200 to 240 °C
Middle Temperature	392 to 464 °F	200 to 240 °C
Front Temperature	392 to 464 °F	200 to 240 °C
Mold Temperature	149 to 185 °F	65.0 to 85.0 °C

Injection Notes	
Injection Pressure: MED-HIGH	
Hold Pressure: MED-HIGH	
Screw Speed: MODERATE	
Back Pressure: LOW	

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Notes

¹ Typical values are not to be construed as specifications.

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

CONTACT INFORMATION

Americas

Mexico - Toluca
+52 722 2790200
United States - Avon Lake
+1 440 930 1000

Asia

China - Shanghai
+86 21 5080 1188
China - Shenzhen
+86 755 2969 2888
China - Suzhou
+86 512 6823 24 38
China - Tianjin
+86 22 2532 8818
India - Pune
Japan - Tokyo
+81-3-6261-3980
Singapore - Singapore
+65 6861 9325
Taiwan - Yonghe City,
+886 9396 99740, +886 2929 1849

Europe

Germany - Gaggenau
+49 7225 6802 0
Spain - Barbastro (Huesca)
+34 974 310 314
Turkey - Esenyurt - Istanbul – Turkey
+90 212 549 2256



Beyond Polymers.

Better Business Solutions.™

www.polyone.com

PolyOne Americas

33587 Walker Road
Avon Lake, Ohio 44012
United States
+1 440 930 1000
+1 866 POLYONE

PolyOne Asia

No. 88 Guoshoujing Road
Z.J Hi-tech Park, Pudong
Shanghai, 201203, China
+86 21 5080 1188

PolyOne Europe

6 Giällewee
+352 269 050 35

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