

PolyOne Edgetek® AS-1000 Acrylonitrile Butadiene Styrene (ABS) (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Description/Features: Unfilled PolyOne First Choice Information provided by PolyOne Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Edgetek-AS-1000-Acrylonitrile-Butadiene-Styrene-ABS-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	109	109	ASTM D785
Tensile Strength, Ultimate	42.1 MPa	6100 psi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type 1 - Rigids, 0.2 in/min; ASTM D638
Tensile Modulus	2.55 GPa	370 ksi	Type 1 - Rigids, 0.2 in/min; ASTM D638
Flexural Strength	72.4 MPa	10500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	50.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	99.4 °C	211 °F	Annealed, 0.125 in bars; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	94.4 °C	202 °F	Annealed, 0.125 in bars; ASTM D648

Processing Properties	Metric	English	Comments
Melt Temperature	227 - 249 °C	440 - 480 °F	Molding
Mold Temperature	26.7 - 60.0 °C	80.0 - 140 °F	
Drying Temperature	82.2 °C	180 °F	
Dry Time	2 hour	2 hour	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Product Form		Pellets	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China