

## Kolon ELLAS K-480A Ester Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

**Material Notes:**

Applications Extrusion Injection Compounding Industry Parts Parts for Automobile/Mobile phone Acetal Compound Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-ELLAS-K-480A-Ester-Based-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-480A-Ester-Based-Thermoplastic-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ASTM D2240
Tensile Strength	44.1 MPa	6400 psi	ASTM D412
Tensile Stress	5.20 MPa @Strain 100 %	754 psi @Strain 100 %	ASTM D412
Elongation at Break	563 %	563 %	ASTM D412
Tear Strength	100 kN/m	571 pli	ASTM D624

Processing Properties	Metric	English	Comments
Nozzle Temperature	185 - 195 Å°C	365 - 383 Å°F	Injection Molding
Zone 1	155 - 170 Å°C	311 - 338 Å°F	Extrusion Molding
	160 - 175 Å°C	320 - 347 Å°F	Injection Molding
Zone 2	170 - 180 Å°C	338 - 356 Å°F	Extrusion Molding
	175 - 185 Å°C	347 - 365 Å°F	Injection Molding
Zone 3	180 - 190 Å°C	356 - 374 Å°F	Injection Molding
	180 - 190 Å°C	356 - 374 Å°F	Extrusion Molding
Zone 4	185 - 195 Å°C	365 - 383 Å°F	Extrusion Molding
Die Temperature	185 - 195 Å°C	365 - 383 Å°F	Extrusion Molding
Head Temperature	190 - 200 Å°C	374 - 392 Å°F	Extrusion Molding

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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