

## Kolon ELLAS K-792A Ester Based Thermoplastic Polyurethane

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

**Material Notes:**

Applications Extrusion Injection Flexible Hose Industry Parts Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-ELLAS-K-792A-Ester-Based-Thermoplastic-Polyurethane.php](http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-792A-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	92	92	ASTM D2240
Tensile Strength	49.0 MPa	7110 psi	ASTM D412
Tensile Stress	9.81 MPa @Strain 100 %	1420 psi @Strain 100 %	ASTM D412
Elongation at Break	500 %	500 %	ASTM D412
Tear Strength	122 kN/m	695 pli	ASTM D624

Processing Properties	Metric	English	Comments
Nozzle Temperature	190 - 200 Â°C	374 - 392 Â°F	Injection Molding
Zone 1	160 - 175 Â°C	320 - 347 Â°F	Extrusion Molding
	175 - 190 Â°C	347 - 374 Â°F	Injection Molding
Zone 2	175 - 190 Â°C	347 - 374 Â°F	Extrusion Molding
	180 - 195 Â°C	356 - 383 Â°F	Injection Molding
Zone 3	175 - 190 Â°C	347 - 374 Â°F	Extrusion Molding
	190 - 205 Â°C	374 - 401 Â°F	Injection Molding
Zone 4	185 - 200 Â°C	365 - 392 Â°F	Extrusion Molding
Die Temperature	180 - 195 Â°C	356 - 383 Â°F	Extrusion Molding
Head Temperature	185 - 200 Â°C	365 - 392 Â°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