

# THE TECHNICAL DATA SHEET

## ELLAS K-596A

### Physical Properties

Item	ASTM Method	Unit	Result/Remark
Specific Gravity	D792		1.18
Hardness	D 2240	Shore A	96
100% Tensile Stress	D 412	Kgf/cm <sup>2</sup>	121
Tensile Strenght	D 412	Kgf/cm <sup>2</sup>	532
Elongation	D 412	%	438
Tear Strenght	D 624	Kgf/cm	140

\*These are typical values and should not be used for establishing specifications.

**Applications: Injection Molding: Packing, Oil seals**  
**Extrusion Molding: Cable Sheathing**

### Injection Molding Temperature (°C)

C1	C2	C3	Nozzle
160 – 175	175 – 185	185 – 195	190 - 200

### Extrusion Molding Temperature (°C)

C1	C2	C3	C4	Head	Die
155 – 175	170 -180	180 – 190	185– 195	190 – 200	185– 195

\* These recommended processing conditions can be varied on your machine design conditions.

\* Please dry and use TPU before processing it.

\* If you have any trouble in processing it, contact us.

**API-  KOLON**  
Engineering Plastics

333 Enterprise Parkway · Lake Zurich · IL · 60047 · USA

Telephone: 847-550-5556 Fax: 847550-5557

E-mail: MaxHahn21@hotmail.com