

THE TECHNICAL DATA SHEET

ELLAS K-590A

Physical Properties

Item	ASTM Method	Unit	Result/Remark
Specific Gravity	D792		1.18
Hardness	D 2240	Shore A	90
100% Tensile Stress	D 412	Kgf/cm ²	95
Tensile Strenght	D 412	Kgf/cm ²	470
Elongation	D 412	%	500
Tear Strenght	D 624	Kgf/cm	140

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

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

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