

Kolon ELLAS K-596A Caprolactone Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

Applications Extrusion Injection Dust Seal Oil Seal Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-596A-Caprolactone-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ASTM D2240
Tensile Strength	52.2 MPa	7570 psi	ASTM D412
Tensile Stress	11.9 MPa @Strain 100 %	1720 psi @Strain 100 %	ASTM D412
Elongation at Break	438 %	438 %	ASTM D412
Tear Strength	137 kN/m	784 pli	ASTM D624

Processing Properties	Metric	English	Comments
Nozzle Temperature	190 - 200 Å°C	374 - 392 Å°F	Injection Molding
Zone 1	155 - 175 Å°C	311 - 347 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	Extrusion Molding
	185 - 195 Å°C	365 - 383 Å°F	Injection 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

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