

Kolon ELLAS K-585A Caprolactone Based Thermoplastic Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

Material Notes:

ApplicationsInjectionIndustry Parts Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-585A-Caprolactone-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ASTM D2240
Tensile Strength	44.1 MPa	6400 psi	ASTM D412
Tensile Stress	6.37 MPa @Strain 100 %	925 psi @Strain 100 %	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Tear Strength	118 kN/m	672 pli	ASTM D624

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

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