

Kolon ELLAS K-470A Ester Based Thermoplastic Polyurethane

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

Material Notes:

Applications Injection Industry Parts Parts for Automobile/Mobile phone ABS Compound

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-470A-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	ASTM D2240
Tensile Strength	47.1 MPa	6830 psi	ASTM D412
Tensile Stress	4.90 MPa @Strain 100 %	711 psi @Strain 100 %	ASTM D412
Elongation at Break	550 %	550 %	ASTM D412
Tear Strength	108 kN/m	616 pli	ASTM D624

Processing Properties	Metric	English	Comments
Nozzle Temperature	175 - 185 Â°C	347 - 365 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	165 - 180 Â°C	329 - 356 Â°F	Injection Molding
	170 - 180 Â°C	338 - 356 Â°F	Extrusion Molding
Zone 3	175 - 190 Â°C	347 - 374 Â°F	Injection Molding
	180 - 190 Â°C	356 - 374 Â°F	Extrusion 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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