

Kolon ELLAS K-475A Ester Based Thermoplastic Polyurethane

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

Material Notes:

Applications Extrusion Injection Industry Parts Parts for Automobile/Mobile phone Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-475A-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	73	73	ASTM D2240
Tensile Strength	39.2 MPa	5690 psi	ASTM D412
Tensile Stress	5.88 MPa @Strain 100 %	853 psi @Strain 100 %	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
Tear Strength	73.5 kN/m	420 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	Injection Molding
Zone 2	185 - 190 Â°C	365 - 374 Â°F	Injection Molding
Zone 3	185 - 195 Â°C	365 - 383 Â°F	Injection Molding

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