

Kolon ELLAS K-785A Ester Based Thermoplastic Polyurethane

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

Material Notes:

Applications Compounding Film/Seat T-DIE High Frequency Film PVC/Rubber Compound Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-785A-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	83	83	ASTM D2240
Tensile Strength	43.1 MPa	6260 psi	ASTM D412
Tensile Stress	5.10 MPa @Strain 100 %	740 psi @Strain 100 %	ASTM D412
Elongation at Break	600 %	600 %	ASTM D412
Tear Strength	108 kN/m	616 pli	ASTM D624

Processing Properties	Metric	English	Comments
Nozzle Temperature	170 - 180 Â°C	338 - 356 Â°F	Injection Molding
Zone 1	150 - 170 Â°C	302 - 338 Â°F	Injection Molding
	155 - 165 Â°C	311 - 329 Â°F	Extrusion Molding
Zone 2	160 - 170 Â°C	320 - 338 Â°F	Extrusion Molding
	170 - 180 Â°C	338 - 356 Â°F	Injection Molding
Zone 3	165 - 175 Â°C	329 - 347 Â°F	Extrusion Molding
	170 - 180 Â°C	338 - 356 Â°F	Injection Molding
Zone 4	165 - 175 Â°C	329 - 347 Â°F	Extrusion Molding
Die Temperature	165 - 175 Â°C	329 - 347 Â°F	Extrusion Molding
Head Temperature	170 - 180 Â°C	338 - 356 Â°F	Extrusion Molding

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