

Kolon ELLAS K-296AB Ester Based Thermoplastic Polyurethane

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

Material Notes:

Applications Extrusion Injection: Pneumatic tube, film/sheet, cable Transparent Hose Industry Parts Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-ELLAS-K-296AB-Ester-Based-Thermoplastic-Polyurethane.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 g/cc	1.21 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	96	96	ASTM D2240
Tensile Strength	55.9 MPa	8110 psi	ASTM D412
Tensile Stress	13.7 MPa @Strain 100 %	1990 psi @Strain 100 %	ASTM D412
Elongation at Break	460 %	460 %	ASTM D412
Tear Strength	182 kN/m	1040 pli	ASTM D624

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	transparent; thickness not quantified

Processing Properties	Metric	English	Comments
Nozzle Temperature	195 - 205 Â°C	383 - 401 Â°F	Injection Molding
Zone 1	160 - 175 Â°C	320 - 347 Â°F	Injection Molding
	160 - 175 Â°C	320 - 347 Â°F	Extrusion Molding
Zone 2	180 - 190 Â°C	356 - 374 Â°F	Injection Molding
	185 - 195 Â°C	365 - 383 Â°F	Extrusion Molding
Zone 3	180 - 195 Â°C	356 - 383 Â°F	Extrusion Molding
	185 - 195 Â°C	365 - 383 Â°F	Injection Molding
Zone 4	190 - 205 Â°C	374 - 401 Â°F	Extrusion Molding
Die Temperature	190 - 205 Â°C	374 - 401 Â°F	Extrusion Molding
Head Temperature	195 - 210 Â°C	383 - 410 Â°F	Extrusion Molding

Processing Properties

Metric

English

Comments

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