



OnFlex™ U 5365A-E0134 FG

Thermoplastic Elastomer

Key Characteristics

Product Description

OnFlex™ U 5365A-E0134 FG is a performance TPU alloy designed for use in injection molding application where FDA compliance and Overmolding onto PC, ABS and PC/ABS substrates are required.

General

Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.09 g/cm ³	1.09 g/cm ³	ISO 1183
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Stress			DIN 53504
Across Flow : Break	3290 psi	22.7 MPa	
Flow : Break	1900 psi	13.1 MPa	
Tensile Elongation			DIN 53504
Across Flow : Break	830 %	830 %	
Flow : Break	620 %	620 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Shore Hardness (Shore A)	65	65	DIN 53505
Additional Information	Typical Value (English)	Typical Value (SI)	
Generic Material Type	Thermoplastic Polyurethane Elastomer (TPU)	Thermoplastic Polyurethane Elastomer (TPU)	

Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	212 °F	100 °C
Drying Time	2.0 hr	2.0 hr
Suggested Max Moisture	0.10 %	0.10 %
Processing (Melt) Temp	338 to 410 °F	170 to 210 °C
Mold Temperature	86.0 to 140 °F	30.0 to 60.0 °C
Injection Rate	Slow	Slow

Notes

¹ Typical values are not to be construed as specifications.

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