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/cm³	1.09 g/cm³	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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