

## PolyOne OnFlex™ U 5365A-E0134 FG Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer , TPE

**Material Notes:**

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. Properties are measured using injection molded plaques. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-OnFlex-U-5365A-E0134-FG-Thermoplastic-Elastomer-TPE.php](http://www.lookpolymers.com/polymer_PolyOne-OnFlex-U-5365A-E0134-FG-Thermoplastic-Elastomer-TPE.php)

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in <sup>3</sup>	ISO 1183
Maximum Moisture Content	0.10	0.10	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	DIN 53505
Tensile Strength at Break	13.1 MPa	1900 psi	Flow; DIN 53504
	22.7 MPa	3290 psi	Across Flow; DIN 53504
Elongation at Break	620 %	620 %	Flow; DIN 53504
	830 %	830 %	Across Flow; DIN 53504

Processing Properties	Metric	English	Comments
Melt Temperature	170 - 210 °C	338 - 410 °F	
Mold Temperature	30.0 - 60.0 °C	86.0 - 140 °F	
Drying Temperature	100 °C	212 °F	
Dry Time	2.00 hour	2.00 hour	

Descriptive Properties	Value	Comments
Appearance	Natural Color	
Forms	Pellets	
Generic Material	TPE	
Generic Material Type	Thermoplastic Polyurethane Elastomer (TPU)	
Generic Name	Thermoplastic Elastomer (TPE)	

<small>Injection Rate</small> Descriptive Properties	<small>Slow</small> Value	Comments
Manufacturer / Supplier	GLS Thermoplastic Elastomers	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	

## Contact Songhan Plastic Technology Co.,Ltd.

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