OnFlex™ K80A-3E6127 BLACK JL

Thermoplastic Elastomer

Key Characteristics

Product Description			
OnFlex K80A-3E6127 BLACK JL is designed for overmolding onto PC, ABS, PC/ABS substrates.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• Good Adhesion	• Good Scratch Resistance	
Uses	• Automotive Applications	• Consumer Applications	• Industrial Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding	• Multi Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.21 g/cm³	1.21 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (Break)	1900 psi	13.1 MPa	ISO 37
Tensile Elongation (Break)	800 %	800 %	ISO 37
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	79	79	ISO 48-4
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	
Generic Material Type	Thermoplastic Elastomer (TPE)	Thermoplastic Elastomer (TPE)	

Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	158 °F	70 °C
Drying Time	2.0 hr	2.0 hr
Processing (Melt) Temp	392 to 446 °F	200 to 230 °C
Mold Temperature	68 to 104 °F	20 to 40 °C
Injection Rate	Slow-Moderate	Slow-Moderate

Notes

[1] Typical values are not to be construed as specifications.

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