

OnFlex™ U 5365A-E0134 FG

Thermoplastic Elastomer

PolyOne Corporation

Message:

OnFlex™-U thermoplastic elastomer polymer is a mixture of thermoplastic polyurethane elastomer (TPE-U). OnFlex™-U 5300 series products are alloys of SEBS and TPU, which combine the advantages of these two raw materials, such as good processability, a TPE-S soft touch, excellent mechanical properties, and a TPE-U abrasion resistance. OnFlex™-U 5300 polymer has very good scratch resistance, large hardness range and good chemical resistance.

General Information			
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		DIN 53505
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			DIN 53504
Transverse flow: Fracture	22.7	MPa	DIN 53504
Flow: Fracture	13.1	MPa	DIN 53504
Tensile Elongation			DIN 53504
Transverse flow: Fracture	830	%	DIN 53504
Flow: Fracture	620	%	DIN 53504
Additional Information	Nominal Value		
General Material Type	Thermoplastic Polyurethane Elastomer (TPU)		
各项属性值是采用注射模制基板测量得出.			
Injection	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	170 - 210	°C	
Mold Temperature	30.0 - 60.0	°C	
Injection Rate	Slow		

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