

OnFlex™ S HS 70A-3E2543

Thermoplastic Elastomer

PolyOne Corporation

Message:

OnFlex™-S EH thermoplastic elastomer polymer is mixed with hydrogenated styrene block copolymer. In addition to having OnFlex™The main characteristics of-S products, such as high hardness, good mechanical properties, good processability, good coloring properties, and a large operating temperature range, this series of polymers has excellent cost performance. OnFlex™-S EH polymer is filled with other substances, so it is opaque and has a relatively high density.

General Information			
Features	High strength		
	General		
Uses	Electrical appliances		
	Industrial application		
	Application in Automobile Field		
	General		
	Consumer goods application field		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.00	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Lateral flow: fracture, 2.00mm ¹	11.1	MPa	ISO 37
Traffic: fracture, 2.00mm ²	7.20	MPa	ISO 37
Traffic: fracture, 2.00mm ³	10.9	MPa	ISO 37
Tensile Elongation			ISO 37
Lateral flow: fracture, 2.00mm ⁴	560	%	ISO 37
Traffic: fracture, 2.00mm ⁵	420	%	ISO 37
Traffic: fracture, 2.00mm ⁶	590	%	ISO 37
Additional Information	Nominal Value		
General Material Type	Styrene thermoplastic elastomers (TES)		
各项属性值是采用注射模制基板测量得出.			
Injection	Nominal Value	Unit	

Processing (Melt) Temp	180 - 220	°C
Mold Temperature	30.0 - 60.0	°C
Injection Rate	Fast	
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Die Temperature	190 - 200	°C
NOTE		
1.	Injection molded	
2.	Injection molded	
3.	Extruded	
4.	Injection molded	
5.	Injection molded	
6.	Extruded	

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