

# Dynalloy™ 8910-60

Thermoplastic Elastomer

PolyOne Corporation

## Message:

OnFlex™-S EL 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. Since it is not filled with other substances, OnFlex™-S EL polymer is translucent and has a low density.

General Information			
Features	Compliance of Food Exposure		
	General		
Uses	overmolding		
	Electrical appliances		
	General		
	Consumer goods application field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	2.10	MPa	ISO 37
300% strain	3.00	MPa	ISO 37
Tensile Stress (Break)	5.00	MPa	ISO 37
Tensile Elongation (Break)	550	%	ISO 37
Tear Strength	23	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 72 hr	26	%	ISO 815
70°C, 22 hr	49	%	ISO 815
100°C, 22 hr	78	%	ISO 815
Additional Information	Nominal Value		
General Material Type	Styrenic Thermoplastic Elastomer (TES)		
Properties are measured using injection molded plaques.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 220	°C	
Mold Temperature	30.0 - 60.0	°C	

Injection Rate

Fast

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#### Recommended distributors for this material

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