Dynalloy™ 8910-60
Thermoplastic Elastomer

Key Characteristics

Product Description

Dynalloy™ 8910-60 is a thermoplastic elastomer compound. Dynalloy™ 8910-60 is formulated to deliver a great cost / performance ratio in combination with good mechanical properties, good processability, good colourability and a wide temperature operating range.

Being unfilled, Dynalloy™ 8910-60 is translucent and has a low density.

Dynalloy™ 8910-60 is intended for food contact applications. Please ask your sales representative for detailed information.

General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Features	• Food Contact Acceptable	• General Purpose
Uses	• Appliances • Consumer Applications	• General Purpose • Overmolding
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.890 g/cm³	0.890 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress (100% Strain)	305 psi	2.10 MPa	ISO 37
Tensile Stress (300% Strain)	435 psi	3.00 MPa	ISO 37
Tensile Stress (Break)	725 psi	5.00 MPa	ISO 37
Tensile Elongation (Break)	550 %	550 %	ISO 37
Tear Strength	131 lbf/in	23.0 kN/m	ISO 34-1
Compression Set			ISO 815
73°F (23°C), 72 hr	26 %	26 %	
158°F (70°C), 22 hr	49 %	49 %	
212°F (100°C), 22 hr	78 %	78 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A)	60	60	ISO 868
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	
Generic Material Type	Styrenic Thermoplastic Elastomer (TES)	Styrenic Thermoplastic Elastomer (TES)	

Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	356 to 428 °F	180 to 220 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Fast	Fast

Notes

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