

Dryflex® T50

Thermoplastic Elastomer

ELASTO

Message:

Dryflex T are a range of fully transparent thermoplastic elastomers (TPE) compounds. They offer hardnesses from 30 to 90 Shore A, allowing designers a wide degree of design freedom. Typical applications range from high value packaging for toiletries to components for personal care items and sporting goods and goggles.

Dryflex transparent grades with food compliance to major food regulations are also available.

General Information			
Features	Good UV Resistance		
	Ozone Resistant		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.890	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 2.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 4.00 mm)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	3.50	MPa	
100% Strain	2.00	MPa	
300% Strain	3.00	MPa	
Tensile Elongation (Break)	400	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	20.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	
Service Temperature ¹	-50 to 100	°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	140 to 200	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	110 to 170	°C	
NOTE			
1.	Unstressed Material		

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