



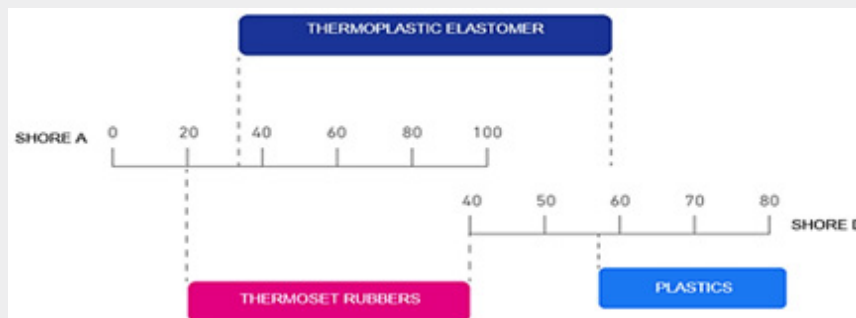
METALTEK
Metalurji Sanayi ve Ticaret A.Ş.

TPE-O (THERMOPLASTIC ELASTOMER)

Propylene based elastomer

INTRODUCTION

Thermoplastic Elastomers are generally low modulus, flexible materials that can be stretched repeatedly to at least twice their original length at room temperature with an ability to return to their approximate original length when stress is released.



VISTAMAXX PERFORMANCE POLYMERS

Vistamaxx performance polymers are semi-crystalline copolymers with tunable amorphous content and are compatible with other polyolefinic materials. Due to its unique polymer attributes (such as toughness, cling, sealability, softness, clarity, dispersion, adhesion, elasticity and flexibility), Vistamaxx can be used to create new possibilities for product innovation.

SUPPLIED VISTAMAXX GRADE

Vistamaxx 6202 propylene-based elastomer is an olefinic elastomer produced using ExxonMobil Chemical's EXXPOL™ Catalyst Technology. It has excellent elastomeric properties, is easy to process and is compatible with a wide variety of materials. It is particularly good for thermoplastic and polyolefinic blends where a balance of flexibility, transparency and impact performance is required.



VISTAMAXX 6202 KEY FEATURES

- ◆ Excellent adhesion to conventional or metallocene PP and PE.
- ◆ Very good elasticity and toughness.
- ◆ Very low seal initiation temperature combined with high seal strength when used as sealing layer of co-extruded structures.
- ◆ Very good chemical resistance and long-term aging.

VISTAMAXX 6202 APPLICATIONS/ PROPERTIES

- ◆ Calendered Profiles
- ◆ Extruded profiles
- ◆ PP/TPE Modification
- ◆ Calendered Sheeting
- ◆ Extruded Sheeting
- ◆ Cast Film
- ◆ Injection Molding

Uses:

- ◆ Compounding
- ◆ Film
- ◆ Packaging



Physical Properties	Units (SI)	Typical Values
Melt Index (Condition 190 °C/2.16 kg)	g/10 min	9.1
Density	g/cm ³	0.862
Ethylene Content	Wt. %	15
Hardness, 15 sec	Shore A	64
Flexural Modulus, 1% secant	MPa (psi)	13
Tensile Strength @ Break	MPa (psi)	> 5.5
Tensile Stress @ 100% Elongation @ 300% Elongation	MPa (psi)	2.2 2.6
Elongation @ Break	%	> 800
Tension Set	%	15
Tear Strength, Die C	kN/m	32
Vicat Softening Point	°C	35.2