



شرکت نانو
پویش کیمیا

Nano Pouyesh Kimiya Co.

PROFILE

Nano Pouyesh Kimiya Co. (NPK) as a manufacturer & trading company founded in 2009 is engaged in production, R&D, marketing, technical services and commercial activities.

NPK Company has a great technological and commercial relationship with Iranian Petrochemicals. We have supplied equipment, catalysts, additives, solvents and peroxides for petrochemical, oil and gas industrial chemistry from Germany, Italy, Netherland, Romania, Turkey, Japan, Korea, China, India, etc.

Today NPK is one of the best suppliers of chemicals like:

- ✓ PPA active agents (representation of Lanpoly company)
- ✓ Titanium Dioxide
- ✓ PE cling masterbatch
- ✓ Purge compound
- ✓ PP peroxide masterbatch rheology (MFI) modifier
- ✓ Erucamide slip active agent
- ✓ Anti-Fog active agent and PE base masterbatch
- ✓ Optical brightener active agent and PE base masterbatch
- ✓ Anti-UV active agent
- ✓ Anti-Oxidant active agent
- ✓ Dispersing active agent
- ✓ TPE-O Vistamaxx 6202 (propylene-based elastomer)

CONTACT

PHONE:

Tel: +9821-26764239

Fax: +9821-26760535

WEBSITE:

www.nanopouyesh.com

EMAIL:

info@nanopouyesh.com

ADDRESS:

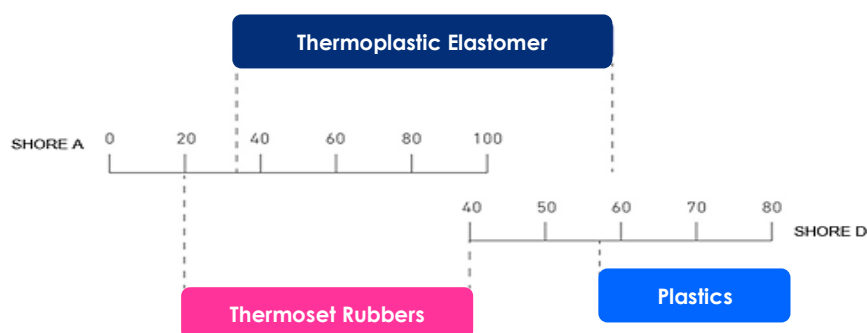
Unit 104, 2nd Floor No.128, West Sarv St.,
Sa'adat Abad St., Tehran, Iran.

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.



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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

- Calendared Profiles
- Extruded profiles
- PP/TPE Modification
- Calendared 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	MPa (psi)	2.2
Tensile Stress @ 300% Elongation		2.6
Elongation @ Break	%	> 800
Tension Set	%	15
Tear Strength, Die C	kN/m	32
Vicat Softening Point	°C	35.2