

# NEOPLAST 145 M/E

Thermoplastic Elastomer

Zylog Plastalloys

## Message:

As a major player in the TPE industry for the past 20 years, Zylog is now recognized as a leader in innovative thermoplastic elastomer (TPE) materials, providing cost effective solutions for a broad range of application requirement.

From ultra soft tactile vibrant coloured TPEs for consumer applications to high performance TPEs for the industrial applications, Zylog has just the right grade of Neoplast to meet almost any challenge.

Neoplast is primarily soft, flexible, elastomeric palletized plastic that provides feel and performance of rubber yet processing ease and economics of a thermoplastic. Due to excellent cost / performance benefits, Neoplast has filled an application gap between commodity thermoset rubbers to high priced engineered TPE materials.

Technology

Reactive Compounding of PP with EPDM, dynamically vulcanized

Antistatic - Flame Retardant - Fragrance Encapsulation

UV Stabilized - Vibrant Colours - Low odour & anti-fogging properties

Product Characteristics

Pelletized Products - Feels like Rubber - Processes like Plastic

35 Shore 'A' through 50 Shore 'D' Hardness - Excellent - Weatherability

Low Compression Set properties - Low Specific Gravity

Good Mechanical Properties

Growth Drivers

Design Flexibility / Colouring / High Output

Preferred Polyolefin Base - Mono Material Composition

Environmentally clean, halogen free, FDA Compliant

Concentrate ... Amenable to further compounding for cost effective formulations

Applications

Injection Moulding, Blow Moulding, Extrusion & Coating Applications

General Information	
Features	Anti-fogging
	Antistatic
	Aromatic
	Clean/High Purity
	Flame Retardant
	Good Colorability
	Good Flexibility
	Good UV Resistance
	Halogen Free
	Low Compression Set
	Low to No Odor
	Soft
Uses	Automotive Exterior Parts
	Automotive Interior Parts
Processing Method	Blow Molding
	Coextrusion

Extrusion  
Injection Molding

Physical	Nominal Value	Unit
Specific Gravity	0.898	g/cm <sup>3</sup>
Hardness	Nominal Value	Unit
Durometer Hardness	45	

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