

Neoplast™ 250 M/E

Thermoplastic Vulcanizate

Zylog Plastalloys Pvt. Ltd.

Message:

Neoplast 250 M/E is a soft, dynamically vulcanized thermoplastic vulcanizate (TPV), based on polyolefin chemistry and is intended for Injection Moulding and Extrusion applications.

Key features

Excellent Ozone resistance, Good Flex fatigue, RoHS Compliant, UV Stabilized

General Information	
Additive	UV stabilizer
Features	UV Stabilized
	Ozone resistance
	Soft
RoHS Compliance	RoHS compliance
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.950	g/cm ³	ASTM D792

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 5 sec, 23°C)	50		ASTM D2240

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	13.9	MPa	ASTM D412
Tensile Strength ³ (Break)	14.7	MPa	ASTM D412
Tensile Elongation ⁴ (Break)	550	%	ASTM D412
Tear Strength ⁵	73.5	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	70	%	ASTM D395B

Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	10	%	ASTM D573
Change in Ultimate Elongation in Air (150°C, 168 hr)	-20	%	ASTM D573
Change in Durometer Hardness in Air (150°C, 168 hr)	1.0		ASTM D573

Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	135	°C	SAE J2236
Brittleness Temperature	-30.0	°C	ASTM D746

NOTE	
1.	23°C
2.	C mold, 500 mm/min

3.	C mold, 500 mm/min
4.	C mold, 500 mm/min
5.	C mold, 500 mm/min

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