

NEOPLAST 250 FT EB

Thermoplastic Vulcanizate

Zylog Plastalloys

Message:

Neoplast 250 FT EB is a hard, dynamically vulcanized thermoplastic vulcanizate (TPV), based on polyolefin chemistry, and is intended for Injection Moulding, Blow Moulding and Extrusion applications.

Key Features:

Excellent Ozone resistance, RoHS Compliant, UV Stabilised

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
	High Hardness		
	Ozone Resistant		
RoHS Compliance	RoHS Compliant		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	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 ¹ (100% Strain)	14.7	MPa	ASTM D412
Tensile Strength ² (Break)	27.0	MPa	ASTM D412
Tensile Elongation ³ (Break)	650	%	ASTM D412
Tear Strength ⁴	73.5	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	60	%	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	140	°C	SAE J2236
Brittleness Temperature	-28.0	°C	ASTM D746

NOTE			
1.	500 mm/min		

2.	500 mm/min
3.	500 mm/min
4.	500 mm/min

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