

NEOPLAST 145 FT EB

Thermoplastic Vulcanizate

Zylog Plastalloys

Message:

Neoplast 145 FT EB 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 Stabilised

General Information	
Additive	UV Stabilizer
Features	Fatigue Resistant
	Good UV Resistance
	Ozone Resistant
	Soft
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec, 23°C)	47		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.16	MPa	ASTM D412
Tensile Strength ² (Break)	3.14	MPa	ASTM D412
Tensile Elongation ³ (Break)	330	%	ASTM D412
Tear Strength ⁴	10.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	15	%	ASTM D395B
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	-20	%	ASTM D573
Change in Ultimate Elongation in Air (150°C, 168 hr)	-25	%	ASTM D573
Change in Durometer Hardness in Air (150°C, 168 hr)	2.0		ASTM D573
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-62.0	°C	ASTM D746
NOTE			
1.	500 mm/min		
2.	500 mm/min		

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

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