

NEOPLAST 180 C

Thermoplastic Vulcanizate

Zylog Plastalloys

Message:

Neoplast 180 C 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	0.960	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec, 23°C)	85		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	6.37	MPa	ASTM D412
Tensile Strength ² (Break)	9.32	MPa	ASTM D412
Tensile Elongation ³ (Break)	550	%	ASTM D412
Tear Strength ⁴	49.0	kN/m	ASTM D624
Compression Set (70°C, 22 hr)	48	%	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)	-10	%	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	130	°C	SAE J2236
Brittleness Temperature	-60.0	°C	ASTM D746
NOTE			
1.	500 mm/min		

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

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

