

# PTFA 12

Polypropylene  
Polymer Tailoring Ltd.

Message:

PTFA 12 is a tough and rigid halogen-free compound designed for injection moulding engineering components. Initially developed for moulding escalator comb sets, it has since proved beneficial in other electrical components because of its stiffness and durability. It can even replace glass-filled FR nylon compounds in certain applications, due to its thermal and UV-stability ratings and lower specific gravity. Currently available in yellow RAL 1023, other colours and performance permutations can be accommodated. Articles made from this compound will meet the environmental criteria of both the WEEE and ROHS Directives.

General Information			
Features	Durable		
	Good Processability		
	Good Toughness		
	Good UV Resistance		
	Halogen Free		
	High Rigidity		
	High Strength		
	Low Density		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	45.0	MPa	ISO 527-2
Flexural Modulus	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.9	kJ/m²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	112	°C	ISO 306/B120
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Additional Information	Nominal Value	Unit	
UV Stability	> 150	kLy	

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