

PTFA 05

Polyethylene
Polymer Tailoring Ltd.

Message:

PTFA 05 is an innovative development in the quest to replace PVC compounds. It is a halogen-free, environmentally-friendly, flame-retarded compound which has already been selected for profile extrusions (e.g. windows and electrical conduits) and blow moulding (e.g. plastic chairs). These fabrication processes require melt strengths and elasticities which, until now, only PVC compounds or non-flame-retarded polyolefins could supply. Through careful formulation, PTFA 05 meets these requirements, and more, and without a hint of halogen. Articles made from this compound will meet the environmental criteria of both the WEEE and ROHS Directives, as PTFA 05 is 100% environmentally-friendly.

General Information			
Features	Environmentally Sound		
	Flame Retardant		
	Good Melt Strength		
	Good Processability		
	Halogen Free		
	Low Density		
Appearance	Black		
	Blue		
	Natural Color		
	White		
Processing Method	Blow Molding		
	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	28.0	MPa	ISO 527-2
Tensile Strain (Break)	23	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	35	kJ/m ²	ISO 179
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-0		

V-0

3.20 mm

5V

Oxygen Index	> 36	%	ASTM D2863
Additional Information	Nominal Value	Unit	
UV Stability	> 150	kLy	

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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

