

Axial PVC 1851

Flexible Polyvinyl Chloride

Axial Corporation

Message:

1851 is a flexible extrusion PVC compound formulated for exceptional clarity in USP Class VI applications. The compound possesses excellent color retention in applications requiring gamma radiation sterilization.

General Information			
Features	Good flexibility		
	Definition, high		
Agency Ratings	USP Class VI		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23 - 1.27	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/23.9 kg)	22	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	82 - 88		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
--	21.7	MPa	ASTM D638
100% strain	13.3	MPa	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Thermal	Nominal Value	Unit	
Melting Temperature	179	°C	

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