

Axiall PVC 8105

Rigid Polyvinyl Chloride

Axiall Corporation

Message:

8105 is an AXIALL rigid PVC extrusion compound designed for applications requiring the following properties: Gloss, Toughness / Impact Strength, Durability, UV resistance, & Chemical resistance.

General Information			
Features	Highlight		
	Impact resistance, good		
	Good UV resistance		
	Good chemical resistance		
	Durability		
	Good toughness		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45 - 1.49	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2690	MPa	ASTM D638
Tensile Strength	44.8	MPa	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	52.5	kJ/m²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	67.0	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696

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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



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