

ASI POLYPROPYLENE 829-01

Polypropylene Homopolymer

A. Schulman Inc.

Message:

PP 829-01 is a homopolymer polypropylene approfed to Ford specification ESB-M4D63A. Primarily used for interior automotive components, this material is also well suited for extrusion and injection processes. It is available in natural and black color.

General Information			
Features	Food Contact Acceptable		
	Homopolymer		
Uses	Automotive Interior Parts		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Processing Method	Compounding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	34.5	MPa	ASTM D638
Tensile Elongation ² (Break)	50	%	ASTM D638
Flexural Modulus - 1% Secant ³ (50.0 mm Span)	1310	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	100	°C	
1.8 MPa, Unannealed	50.0	°C	
Melting Temperature ⁴	160	°C	
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	5.0 mm/min
4.	Fisher Johns Test Method

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Recommended distributors for this material

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