

Mytex® AS319L-01US

Compounded Polypropylene

Mytex Polymers

Message:

AS319L-01US is a compounded thermoplastic polyolefin (TPO) designed for exterior automotive applications requiring cold temperature impact, processability and paintability. This product is available in natural or generic black.

Key Applications:

Exterior parts

bumper fascia

cladding

General Information			
Features	Good Processability		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Bumper		
	Automotive Exterior Parts		
Appearance	Black		
	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) ¹ (230°C/2.16 kg)	24	g/10 min	ISO 1133
Molding Shrinkage ²			ISO 294-4
--	5.0E-3 to 7.0E-3	%	
80°C, 1 hr	6.0E-3 to 8.0E-3	%	
121°C, 1 hr	7.0E-3 to 9.0E-3	%	
Ash Content (600°C)	19.0	wt%	ISO 3451-1A
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	17.0	MPa	ISO 527-2/1A/50
Flexural Modulus - Chord ³	1700	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	48	kJ/m ²	ISO 180/1A
Instrumented Dart Impact ⁴ (23°C, Max Load)	16.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	102	°C	ISO 75-2/Bf

1.8 MPa, Unannealed	50.0	°C	ISO 75-2/Af
NOTE			
1.	Procedure B		
2.	48 hrs after molding		
3.	2.0 mm/min		
4.	2.20 m/sec		

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Recommended distributors for this material

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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