

Lustran® ABS 256

Acrylonitrile Butadiene Styrene

INEOS ABS (USA)

Message:

Lustran ABS 256 resin is a natural, medium-flow, medium-impact, low-gloss, low-gel extrusion grade of ABS (Acrylonitrile Butadiene Styrene). It is used for blending with other Lustran ABS virgin and regrind materials to optimize cost and performance. As with any product, use of Lustran ABS 256 resin in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
UL YellowCard	E44741-235632		
Features	Low speed solidification crystal point		
	Gloss, Medium		
	Medium liquidity		
	Medium impact resistance		
Uses	Mixing		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Specific Volume	9.50E-4	cm ³ /g	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2210	MPa	ASTM D638
Tensile Strength (Yield)	40.0	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	48	J/m	ASTM D256
-18°C, 3.18 mm	85	J/m	ASTM D256
23°C, 3.18 mm	160	J/m	ASTM D256
Instrumented Dart Impact			ASTM D3763
-40°C, Peak Energy	12.0	J	ASTM D3763
-40°C, Total Energy	14.0	J	ASTM D3763
-18°C, Peak Energy	15.0	J	ASTM D3763
-18°C, Total Energy	16.0	J	ASTM D3763
23°C, Total Energy	30.0	J	ASTM D3763

23°C, Peak Energy	24.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	86.7	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss			ASTM D523
60, extruded sheet	90		ASTM D523
60, thermoplastic	25		ASTM D523
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Drying Time	3.0 - 4.0	hr	
Suggested Max Moisture	< 0.030	%	
Melt Temperature	216 - 241	°C	
Die Temperature	210 - 241	°C	
Take-Off Roll	73.9 - 93.3	°C	
Extrusion instructions			

Compression Ratio: 2.5:1 to 2.7:1 Pump Ratio: 1.5 to 2.0 Max Regrind Allowed: 40%

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

