

# Lustran® ABS 786

Acrylonitrile Butadiene Styrene  
Styrolution

Message:

Lustran ABS 786 resin is a black, virgin extrusion grade of ABS (acrylonitrile butadiene styrene). It is designed for extruded drain, waste, and vent (DWV) pipe. Lustran 786 (901046 black) resin meets or exceeds ASTM D 3965 4-2-2-2-2 cell class requirements for ASTM F 628 and D 2661. It is also listed under NSF Standard 14. As with any product, use of Lustran ABS 786 resin in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Uses	Piping system		
Agency Ratings	ASTM D 3965 Class 4-2-2-2-2		
	EC 1907/2006 (REACH)		
	NSF 14		
Appearance	Black		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm <sup>3</sup>	ASTM D792
Specific Volume	0.970	cm <sup>3</sup> /g	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1930	MPa	ASTM D638
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	400	J/m	ASTM D256
23°C, 3.05 mm	590	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 6.35 mm)	100	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 93.3	°C	
Drying Time	2.0	hr	
Suggested Max Moisture	0.050	%	
Melt Temperature	221 - 232	°C	
Extrusion instructions			

Compression Ratio: 2.4:1.0 to 2.8:1.0L/D Ratio: 24.0:1.0 To 36.0:1.0Max Regrind Allowed: 40%

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