

# Lustran® ABS 241

Acrylonitrile Butadiene Styrene

INEOS ABS (USA)

## Message:

Blending Grade for DWV Pipe and Fittings

Lustran ABS 241 resin is a natural, stiffer-flow, virgin blending grade of ABS (acrylonitrile butadiene styrene). It is designed for use with other high-impact ABS resins for drain, waste, and vent (DWV) pipe and fittings. Lustran ABS 241 resin in natural color (000000) meets or exceeds ASTM D 3965 1-1-2-2-2 cell class requirements. It is also listed under NSF Standard 14. As with any product, use of Lustran ABS 241 resin in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

General Information			
Features	Rigid, good Good liquidity		
Uses	Piping system Mixing Accessories		
Agency Ratings	ASTM D 3965 Class 1-1-2-2-2 EC 1907/2006 (REACH) NSF 14		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Specific Volume	0.950	cm <sup>3</sup> /g	ASTM D792
Melt Mass-Flow Rate (MFR) (290°C/10.0 kg)	15	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2480	MPa	ASTM D638
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	80	J/m	ASTM D256
23°C, 3.18 mm	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 6.35 mm)	102	°C	ASTM D648

Injection	Nominal Value	Unit
Drying Temperature	82.2 - 93.3	°C
Drying Time	2.0	hr
Suggested Max Moisture	< 0.050	%
Suggested Max Regrind	40	%
Processing (Melt) Temp	232 - 243	°C
Mold Temperature	43.3 - 65.6	°C
Injection Rate	Moderate-Fast	

#### Injection instructions

Injection Pressure: Moderately High to HighCushion: Minimum

Extrusion	Nominal Value	Unit
Drying Temperature	82.2 - 93.3	°C
Drying Time	2.0	hr
Suggested Max Moisture	< 0.050	%
Melt Temperature	232 - 243	°C

#### Extrusion instructions

Compression Ratio: 2.4:1 to 2.8:1L/D Ratio: 24:1 to 36:1Max Regrind Allowed: 40%

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#### Recommended distributors for this material

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