

Lustran® ABS 720

Acrylonitrile Butadiene Styrene

Styrolution

Message:

Lustran ABS 720 resin is a black, virgin injection molding grade of ABS (acrylonitrile butadiene styrene). It is supplied as a salt-and-pepper pellets with color concentrate 901802 black. Designed for molded drain, waste and vent (DWV) fittings, Lustran ABS 720 resin in color 901802 black meets or exceeds ASTM D 3965 3-2-2-2 cell class requirements for ASTM F 628 and D 2661. It is also listed under NSF Standard 14 and CSA Standard B181.1. As with any product, use of Lustran ABS 720 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			
Uses	Pipe components		
	Accessories		
Agency Ratings	ASTM D 3965 Class 3-2-2-2		
	CSA B181.1		
	EC 1907/2006 (REACH)		
	NSF 14		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Specific Volume	0.950	cm ³ /g	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	6.5	g/10 min	ASTM D1238
230°C/10.0 kg	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength (Yield)	37.2	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	130	J/m	ASTM D256
23°C, 3.18 mm	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed, 6.35 mm)	104	°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 - 246	°C
Mold Temperature	43.3 - 65.6	°C
Injection Rate	Moderate-Fast	

Injection instructions

Injection Pressure: Moderately High to HighCushion: Minimum

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