

Lustran® ABS 752 Q374

Acrylonitrile Butadiene Styrene

INEOS ABS (USA)

Message:

Lustran ABS 752 Q374 resin is a high-gloss, high-impact extrusion grade of ABS (Acrylonitrile Butadiene Styrene) with improved depth of image and gloss in extruded sheet and thermoformed parts. In its natural color (000000), Lustran ABS 752 Q374 meets FDA requirements for food contact.** It also provides a superior balance between rigidity and impact strength, as well as excellent melt strength for good thermoformability. It is easy to color with ABS color concentrates.

Applications

Lustran ABS 752 Q374 resin is used for extrusion applications that require high-impact toughness. Typical applications include various carrying cases, table tops, wall panels, and profiles. It is also used as a substrate under other specialty grades, such as Lustran ABS 556 low-gloss resin. As with any product, use of Lustran ABS 752 Q374 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	Rigidity, high
	Highlight
	Impact resistance, high
	Good melt strength
	Good coloring
	Good toughness
	Compliance of Food Exposure
	Excellent appearance
Uses	Sheet
	Profile
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion
	Sheet extrusion molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Specific Volume	0.961	cm ³ /g	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.7	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1650	MPa	ASTM D638
Tensile Strength (Yield)	33.8	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790

Flexural Strength (Yield)	51.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	190	J/m	ASTM D256
23°C, 3.20 mm	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	95.0	°C	ASTM D1525 ¹
CLTE - Flow	9.4E-5	cm/cm/°C	ASTM D696
RTI Elec (0.750 mm)	60.0	°C	UL 746
RTI Imp (0.750 mm)	60.0	°C	UL 746
RTI (0.750 mm)	60.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating ² (1.50 mm, All colors)	HB		UL 94
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	90		ASTM D523
Additional Information			
Properties tested on 125-mil extruded sheet specimens unless otherwise noted.			
NOTE			
1.	标准 B (120°C/h), 载荷2 (50N)		
2.	Tested on injection molded specimens.		

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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

