

Sindustris ABS LPI753G

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LPI753G is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for extrusion.

Typical applications include:

Engineering/Industrial Parts

Plumbing/Piping/Potable Water

General Information			
Features	General Purpose		
Uses	Fittings		
	Piping		
UL File Number	E306922		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	55.9	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 81.3 mm ²	> 5.0	%	
Break, 3.20 mm ³	30	%	
Flexural Modulus ⁴ (3.20 mm)	2750	MPa	ASTM D790
Flexural Strength ⁵ (3.20 mm)	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	260	J/m	
23°C, 6.40 mm	240	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	92.0	°C	
1.8 MPa, Unannealed, 6.40 mm	86.0	°C	
Vicat Softening Temperature	94.0	°C	ASTM D1525 ⁶
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	

Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.010	%
Melt Temperature	200 to 250	°C
Die Temperature	200 to 250	°C

NOTE

- | | |
|----|-----------------------------------|
| 1. | 50 mm/min |
| 2. | 1300 mm/min |
| 3. | 50 mm/min |
| 4. | 15 mm/min |
| 5. | 15 mm/min |
| 6. | Rate A (50°C/h), Loading 2 (50 N) |

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