

POLIMAXX SR101

Acrylonitrile Butadiene Styrene
IRPC Public Company Limited

Message:

SR101 is an extrusion grade of ABS resin for extrusion process. It is suitable for extrusion sheet such as door liner, car accessories, luggage case, picnic cooler, snow boat and etc.

General Information	
UL YellowCard	E132283-222088
Uses	Automotive Applications
	Luggage
	Sporting Goods
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C, 6.35 mm)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	43.1	MPa	ASTM D638
Flexural Modulus (23°C)	2010	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	59.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	92.0	°C	
1.8 MPa, Unannealed, 6.35 mm	85.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Melt Temperature	190 to 240	°C	

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