

POLIMAXX SR401

IRPC Public Company Limited - *Acrylonitrile Butadiene Styrene*

General Information

Product Description

SR401 is an extrusion grade of ABS resin for extrusion that easy to processing. It is suitable for extrusion sheet such as refrigerator door liners and inner box liners, luggage case, picnic cooler, snow boat and etc.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Processability		
Uses	• Appliance Components • Liners	• Luggage • Outdoor Applications	
Processing Method	• Extrusion	• Sheet Extrusion	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 73°F)	6680	psi	ASTM D638
Flexural Modulus (73°F)	327000	psi	ASTM D790
Flexural Strength (Yield, 73°F)	9100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.250 in)	5.1	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F, 0.250 in)	108		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed, 0.250 in)	187	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176 to 185	°F
Drying Time	2.0 to 4.0	hr
Melt Temperature	356 to 464	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

