

POLIMAXX AN450R

Acrylonitrile Butadiene Styrene
IRPC Public Company Limited

Message:

AN450R is a flame retardant grade of ABS resin for injection molding process. It is suitable for electrical parts, home appliances such as switch and etc.

General Information			
UL YellowCard	E132283-100527215		
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Appliance Components		
	Electrical/Electronic Applications		
	Switches		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C, 6.35 mm)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	42.2	MPa	ASTM D638
Flexural Modulus (23°C)	2160	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	59.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm	84.0	°C	
1.8 MPa, Unannealed, 6.35 mm	75.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 5.0	hr	
Processing (Melt) Temp	180 to 240	°C	

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