

Hifax AA36H

Polypropylene Homopolymer
LyondellBasell Industries

Message:

"Hifax" AA36H conventional melt flow, 1,400 MPa flexural modulus, UL 94 V-2 flame retardant polypropylene homopolymer resin has an excellent combination of properties and processability. It was designed for applications that require flame and heat resistance, along with good electrical properties and surface quality.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Colorability		
	Good Corrosion Resistance		
	Good Electrical Properties		
	Good Flow		
	Good Processability		
	Good Surface Finish		
	High Heat Resistance		
	Homopolymer		
Uses	Appliances		
	Household Goods		
	White Goods & Small Appliances		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, 48 hr, 3.20 mm, Injection Molded)	1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	32.0	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.6E+16	ohms·cm	ASTM D257
Dielectric Strength	43	kV/mm	ASTM D149
Arc Resistance	88.0	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Oxygen Index	26	%	ASTM D2863

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