

Hifax BA45H

Polypropylene Copolymer
LyondellBasell Industries

Message:

Hifax BA45H medium melt flow, 1,100 MPa flexural modulus, UL 94 V-2 flame retardant polypropylene copolymer has an excellent combination of properties and processability. It was designed for applications that require flame and heat resistance, along with good electrical properties, high impact strength and good surface quality.

General Information			
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
	Good Colorability		
	Good Corrosion Resistance		
	Good Electrical Properties		
	Good Impact Resistance		
	Good Processability		
	Good Surface Finish		
	High Heat Resistance		
	Medium Flow		
Uses	Appliances		
	Battery Cases		
	Furniture		
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)	10	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)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	100	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.9E+16	ohms·cm	ASTM D257
Dielectric Strength	27	kV/mm	ASTM D149
Arc Resistance	133	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-2		UL 94
Oxygen Index	28	%	ASTM D2863

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

