Hifax BA45H

Compounded Polyolefin

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ASTM
Availability	North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Injection Molding
Features	Good Colorability, Copolymer, Good Corrosion Resistance, Good Electrical Properties, Flame Retardant, Medium Flow, High Heat Resistance , Good Impact Resistance , Good Processability, Good Surface Finish
Typical Customer Applications	Appliances, Battery Cases, Furniture

Typical Properties	Method	Value	Unit
Physical			
Density -Specific Gravity	ASTM D 792	0.93	g/cm³
Melt Flow Rate (230°C/2.16kg)	ASTM D 1238	10	g/10 min
Mechanical			
Flexural Modulus	ASTM D 790	1100	MPa
Tensile Strength @ Yield	ASTM D 638	23	MPa
Tensile Elongation @ Brk	ASTM D 638	100	%
Impact			
Notched Izod Impact (23 °C)	ASTM D 256	110	J/m
Hardness			
Rockwell Hardness (R-Scale)	ASTM D 785	84	
Thermal			
DTUL @66psi - Unannealed	ASTM D 648	100	°C
Electrical			
Dielectric strength	ASTM D 149	690	V/mil
Volume Resistivity	ASTM D 257	8.9E+016	ohm-cm
Arc resistance	ASTM D 495	133	
Additional Information			
Mold shrink, Linear-Flow	ASTM D 955	1.6	%
Note: After 48 hrs at 23°C (Tool).			
Limiting Oxygen Index	ASTM D 2863	28	%

Note: Mold shrinkage values are determined on laboratory injection molded 100 mm x 150 mm x 3.2 mm plaques and, as such, are not necessarily representative of actual field data. Since, for example, wall thickness, gate type and location, flow length and paint oven temperature affect final part dimensions, it is recommended that you contact your Basell representative before any tools are cut.

Notes

Typical properties; not to be construed as specifications.