

YUNGSOX® PP 3084H

Polypropylene Impact Copolymer

Formosa Polypropylene

Message:

YUNGSOX® PP 3084H is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in Asia Pacific.

Important attributes of YUNGSOX® PP 3084H are:

Flame Rated

Copolymer

Heat Resistant

High Stiffness

Impact Resistant

Typical applications include:

Appliances

Automotive

Food Contact Applications

Housings

General Information			
UL YellowCard	E216959-464617		
Features	High Heat Resistance		
	High Stiffness		
	Medium Impact Resistance		
	Random Copolymer		
Uses	Appliance Components		
	Automotive Applications		
	Battery Cases		
Agency Ratings	FDA 21 CFR 177.1520		
UL File Number	E216959		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.5	g/10 min	ISO 1133
Molding Shrinkage	1.3 to 1.7	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	28.4	MPa	ISO 527-2
Tensile Strain (Break)	200	%	ISO 527-2
Flexural Modulus	1370	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180

-20°C	44	J/m	
23°C	98	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	130	°C	ISO 75-2/A
Vicat Softening Temperature	155	°C	ISO 306
RTI Elec	125	°C	UL 746
RTI Imp	125	°C	UL 746
RTI Str	125	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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