

YUNGSOX® PP3080

Technical DataSheet | Supplied by Formosa Plastics

YUNGSOX® PP3080 by Formosa Plastics is a polypropylene (PP) impact copolymer with medium impact strength. Designed for processing by injection molding. Recommended for automotive parts, electric appliance parts, battery cases and furniture. YUNGSOX® PP3080 complies with RoHS, ISO 9001/2000, ISO 14001/2004, REACH, PAHs, EU Directive 2006/122/EC, FDA 21 CFR 177.1520 and UL 94 HB flame rating.

Product Type	PP (Polypropylene) > PP, Impact Copolymer
Physical Form	Pellets
Appearance	Translucent
Product Status	COMMERCIAL
Applications/ Recommended for	Electrical markets > Battery cases Furnitures Appliances Automotive Injection molding - thermoplastics
Food contact approval	Yes
Labels/Agency Rating	UL 94 RoHS ISO 9001/2000 ISO 14001/2004 REACH PAHs EU Directive 2006/122/EC
Key Features	Copolymer Food contact approved Impact Resistance, Medium

YUNGSOX® PP3080 Properties

Physical	Value & Unit	Test Condition	Test Method
Density	0.90 g/cm³		ISO 1183
Linear Mold Shrinkage	1.3 - 1.7 %		FPC Method

Density, Bulk 400 - 600 kg/m³

Melt Mass-Flow Rate (MFR or MFI = Melt Flow Index or MI = Melt Index) 8.5 g/10 min

ISO 1133

Mechanical	Value & Unit	Test Condition	Test Method
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Tensile Strength, Yield	280 kg/cm ²		ISO 527
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Elongation at Break	500 %		ISO 527
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Hardness, Rockwell R	100		ISO 2039
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Flexural Modulus	10000 kg/cm ²		ISO 178
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Impact Strength, Notched Izod	10 kg.cm/cm	23°C	ISO 180
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Impact Strength, Notched Izod	4.5 kg.cm/cm	-20°C	ISO 180
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Thermal	Value & Unit	Test Condition	Test Method
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Melting Point	120 - 170 °C		
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Heat Deflection Temperature (HDT)	105 °C		ISO 75
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Vicat Softening Temperature	140 °C		ISO 306
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Flammability	Value & Unit	Test Condition	Test Method
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Flame Rating, UL 94	HB		UL 94
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Auto-ignition Temperature 570 °C

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