

Yuyao PP PP Toughening

Polypropylene

Yuyao Tenglong Plastics Co., Ltd.

Message:

Yuyao PP PP Toughening is a Polypropylene product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Automotive.

Characteristics include:

- Flame Rated
- Good Weather Resistance
- Heat Resistant
- High Gloss
- Impact Modified

General Information			
Additive	Impact Modifier		
Features	Good Flow		
	Good Heat Aging Resistance		
	Good Impact Resistance		
	Good Weather Resistance		
	High Gloss		
	Impact Modified		
Uses	Automotive Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	35.0	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Flexural Strength	30.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	15.0 to 30.0	kJ/m ²	ASTM D256
Aging	Nominal Value		
Aging Resistance (150°C)	750		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.60 mm	HB		
3.20 mm	HB		

Injection	Nominal Value	Unit
Drying Temperature	90.0 to 95.0	°C
Drying Time	2.0 to 3.0	hr
Processing (Melt) Temp	195 to 225	°C
Mold Temperature	45.0 to 80.0	°C
Injection Pressure	60.0 to 90.0	MPa

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