

Toler PP PP12H

Polypropylene Homopolymer

Toler Chemical, Inc

Message:

Toler PP PP12H is a Polypropylene Homopolymer (PP Homopolymer) product. It can be processed by injection molding and is available in North America. Applications of Toler PP PP12H include caps/lids/closures, consumer goods, containers, food contact applications and household applications. Primary characteristic: homopolymer.

General Information			
Features	Antistatic		
	Homopolymer		
Uses	Closures		
	Food Containers		
	Household Goods		
	Toys		
Agency Ratings	DMF Unspecified Rating		
	FDA 21 CFR 177.1520.2		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.904	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10 to 12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm, Injection Molded)	34.0	MPa	ASTM D638
Flexural Modulus - Tangent ² (3.18 mm, Injection Molded)	1660	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 0.125 mm, Injection Molded)	16 to 27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	104	°C	ASTM D648
Injection	Nominal Value	Unit	
Rear Temperature	218 to 274	°C	
Middle Temperature	218 to 274	°C	
Front Temperature	218 to 274	°C	

Nozzle Temperature	218 to 274	°C
Mold Temperature	16.0 to 38.0	°C
NOTE		
1.	Type I, 51 mm/min	
2.	13 mm/min	

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