

# Toler PP PP4390

Polypropylene Homopolymer

Toler Chemical, Inc

## Message:

PP4390 is a general purpose, polypropylene homopolymer resin designed for ram- or screw-injection machines. This resin is available in natural and custom-compounded colors and is supplied in pellet form.

General Information			
Features	General Purpose		
	Good Chemical Resistance		
	Good Heat Aging Resistance		
	High ESCR (Stress Crack Resist.)		
	High Stiffness		
	Homopolymer		
	Solvent Resistant		
Uses	Automotive Applications		
	General Purpose		
	Hospital Goods		
	Household Goods		
Appearance	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Multi Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 to 4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83 to 87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.0	MPa	ASTM D638
Tensile Elongation (Yield)	11 to 13	%	ASTM D638
Flexural Modulus - 1% Secant <sup>1</sup> (Injection Molded)	1300	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	37	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed)	97.0	°C	ASTM D648
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NOTE

1. 1.3 mm/min

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Recommended distributors for this material

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