

# Daelim Po1y® PP-137T

Polypropylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Product Description:  
DAELIM POLY PP-137T is the polypropylene homopolymer manufactured by DAELIM under the license of MONTELL using the Spheripol process. DAELIM POLY PP-137T is a homopolymer with improved heat resistance and particularly suitable for injection molding of houseware articles, toys, packaging, medical items.

General Information			
Features	Low warpage		
	Rigid, good		
	Highlight		
	Workability, good		
	Heat resistance, high		
Uses	Packaging		
	Household goods		
	Toys		
	Medical/nursing supplies		
Agency Ratings	FDA Food Exposure, Not Rated		
Forms	Particle		
Processing Method	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)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.2	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	20	J/m	ASTM D256
23°C	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
Vicat Softening Temperature	157	°C	ASTM D1525

#### Additional Information

Accelerated oven aging, ASTM D-3012, in air (forced circulation), 150°C: 360 hr

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#### Recommended distributors for this material

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