

Daelim Po1y® PP-137

Polypropylene
DAELIM INDUSTRIAL CO., LTD.

Message:

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

General Information			
Features	Low warpage		
	Rigid, good		
	Highlight		
	Workability, good		
	Good color stability		
	Good toughness		
Uses	Packaging		
	Household goods		
	Shell		
	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 ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.3	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1580	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)	107	°C	ASTM D648
Vicat Softening Temperature	155	°C	ASTM D1525
Additional Information			

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

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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