

# Daelim Po1y® TR147F

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

## Message:

Daelim Po1y® TR147F is a High Density Polyethylene product. It can be processed by injection molding and is available in Asia Pacific. Applications of Daelim Po1y® TR147F include caps/lids/closures and food contact applications.

Characteristics include:

Food Contact Acceptable

Good Dimensional Stability

Impact Resistant

Low to No Odor/Taste

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	High Impact Resistance		
	Low to No Odor		
Uses	Caps		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 4		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.55	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal, F50)	90.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	50		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 260	°C	

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