

# Daelim Po1y® 4570 UV

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® 4570 UV is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific. Applications of Daelim Po1y® 4570 UV include containers, food contact applications and tanks.

Characteristics include:

- Food Contact Acceptable
- Good Processability
- Good UV Resistance
- High ESCR (Stress Crack Resistant)
- Impact Resistant

General Information			
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Melt Strength		
	Good Processability		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
Uses	Containers		
	Fuel Tanks		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 2000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	834	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°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	190 to 230	°C

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Recommended distributors for this material

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

