

# Daelim Po1y® 5502HSUV

High Density Polyethylene  
DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y® 5502HSUV is a high-density polyethylene product. It is available in Europe or Asia Pacific. Daelim Po1y® 5502HSUV applications include sheet, bottle and food contact applications.

Features include:

- Good processability
- Antioxidants
- Good stiffness
- Impact resistance
- UV stability

General Information			
Additive	Antioxidation		
	UV stabilizer		
Features	UV Stabilized		
	Rigid, good		
	Antioxidation		
	Impact resistance, good		
	Workability, good		
Uses	Sheet		
	Bottle		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.18	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (Compression Molded, F50)	50.0	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	30.4	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	> 500	%	ASTM D638
Flexural Modulus (Compression Molded)	1570	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-30°C, Compression Molded)	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ASTM D1525

Peak Melting Temperature	134	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 - 200	°C	

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Recommended distributors for this material

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