

Daelim Po1y® TR470UV

High Density Polyethylene

DAELIM INDUSTRIAL CO., LTD.

Message:

Daelim Po1y®TR470UV is a high density polyethylene product. It can be processed by profile extrusion molding and is available in the Asia-Pacific region.

Daelim Po1y®TR470UV application areas include wires and cables and water pipes/pipes/drinking water.

Features include:

High stiffness

hexene comonomer

Good processability

Good UV resistance

Impact resistance

General Information			
Features	Rigidity, high		
	hexene comonomer		
	Impact resistance, good		
	Good UV resistance		
	Workability, good		
Uses	Piping system		
	Communication Equipment		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 5		
Forms	Particle		
Processing Method	Profile extrusion molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 100	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	29.4	MPa	ASTM D638
Tensile Elongation ² (Break)	600	%	ASTM D638
Flexural Modulus	1420	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.00 mm)	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ASTM D1525
Additional Information			
Tensile Elongation @ Brk, ASTM D638: >600%Notched Izod Impact, ATM D256, 23°C, 6 mm: >30 kg.cm/cmOIT, ASTM D3895, 200°C, Aluminum Pan: >40 min			

Extrusion	Nominal Value	Unit
Melt Temperature	190 - 220	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	

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