CAPXIDAN™ HD

Ethylene Copolymer

NWP, Inc.

Message:

CAPXIDAN™ HD is a Modified Copolymer produced with a proprietary, specialized formulation. It is designed to be coextruded over Wood-Plastic Composite (WPC) deck boards to provide moisture, stain, wear resistance, aesthetics, durability at elevated temperatures, and unprecedented adhesion to the WPC substrate. CAPXIDAN™ HD is a two-component capstock system. The CAPXIDAN™ resin should be extruded together with a specific synergistic additive masterbatch in the recommended proportion of 98:2 by weight.

General Information			
Features	Copolymer		
	Durable		
	Good Adhesion		
	Good Wear Resistance		
	Moisture Resistant		
	Stain Resistant		
Uses	Capstock		
Processing Method	Coextrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.950	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus			ISO 527-2
-40°C	2310	MPa	
0°C	1690	MPa	
23°C	862	MPa	
Tensile Strength			ASTM D638
Yield	20.0	MPa	
Break	21.0	MPa	
Tensile Elongation (Break)	400	%	ASTM D638
Flexural Modulus			ISO 178
-40°C	517	MPa	
0°C	379	MPa	
23°C	207	MPa	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	124	°C	ASTM D1525
CLTE - Flow (-100 to 85°C)	1.5E-4	cm/cm/°C	ASTM D696
Specific Heat (23°C)	1920	J/kg/°C	

Recommended distributors for this material

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