

Hostalen PP H5416 K

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Hostalen PP H5416 K is a natural nucleated polypropylene random copolymer.
The product has a high heat- and extremely high extraction stability.
It is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antioxidant		
	Nucleating Agent		
Features	Antioxidant		
	Extraction Resistant		
	High Heat Resistance		
	Nucleated		
	Random Copolymer		
Uses	Piping		
	Sheet		
Appearance	Natural Color		
Processing Method	Extrusion		
	Pipe Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
190°C/5.0 kg	0.50	g/10 min	
230°C/2.16 kg	0.30	g/10 min	
230°C/5.0 kg	1.3	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	800	MPa	ISO 527-2/1
Tensile Strength			
Yield	26.5	MPa	ASTM D638
Yield, 23°C	24.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield	10	%	ASTM D638
Yield, 23°C	10	%	ISO 527-2/50
Flexural Modulus (23°C)	834	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
-20°C	45	kJ/m ²	
0°C	No Break		
23°C	No Break		
Notched Izod Impact (23°C)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	83.0	°C	ASTM D648
0.45 MPa, Unannealed	65.0	°C	ISO 75-2/B
Vicat Softening Temperature			
--	123	°C	ASTM D1525
--	125	°C	ISO 306/A50
Melting Temperature ¹	141	°C	ISO 11357-3
CLTE - Flow (23 to 80°C)	1.5E-4	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.24	W/m/K	ASTM C177
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257, IEC 60093
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 to 280	°C	
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 230	°C	
NOTE			
1.	10°C/min, 2nd heating		

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