

Stanyl® Diablo OCD2305 BM (NC214)

Polyamide 46
DSM Engineering Plastics

Message:

Stanyl® Diablo OCD2305 BM (NC214) is a Polyamide 46 (Nylon 46) material filled with 25% glass fiber. It is available in Europe for blow molding. Primary attribute of Stanyl® Diablo OCD2305 BM (NC214): Heat Stabilizer.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Blow Molding Applications		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	3.3	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	°C	ISO 75-2/A
Melting Temperature ¹	284	°C	ISO 11357-3
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 to 8.0	hr	
Rear Temperature	270 to 290	°C	
Middle Temperature	280 to 300	°C	
Front Temperature	295 to 305	°C	
Nozzle Temperature	280 to 300	°C	
Processing (Melt) Temp	295 to 305	°C	
Mold Temperature	80.0 to 120	°C	
Injection Rate	Moderate-Fast		
Back Pressure	2.00 to 10.0	MPa	
Screw Compression Ratio	2.5:1.0		
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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