

# HIVAL® FL19 NT

Low Density Polyethylene

Nexeo Solutions, LLC.

## Message:

HIVAL®FL19 NT is a low density polyethylene material. This product is available in North America and is processed by extrusion coating or injection molding.

HIVAL®The main features of FL19 NT are:

ROHS certification

BPA free

accessible food

Typical application areas include:

home apps

hat/cap/cork

container

Consumer goods

food contact applications

General Information			
Features	Compliance of Food Exposure		
	BPA-free		
Uses	Household goods		
	Barrel		
	Shell		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion coating		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.65	MPa	ASTM D638
Flexural Modulus	245	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (-20°C)	910	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	40.0	°C	ASTM D648
Brittleness Temperature	-65.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Rear Temperature	163	°C	
Middle Temperature	171	°C	
Front Temperature	177	°C	
Nozzle Temperature	177	°C	
Processing (Melt) Temp	177	°C	
Mold Temperature	7.22 - 23.9	°C	
Injection Pressure	2.76 - 10.3	MPa	
Back Pressure	1.03 - 3.45	MPa	
Injection instructions			

Screw Speed: Slow Injection Speed: Slow - Fast

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#### Recommended distributors for this material

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