

NEXUS PE LL036-939

Linear Low Density Polyethylene

Nexus Resin Group, LLC.

Message:

Linear Low Density for rotational molding applications
Nexus HDPE LL036-939 is designed for rotational mold applications such as agricultural and storage containers, municipal trash containers, playground equipment and drums. LL036-939 is UV stabilized.

General Information			
Additive	UV Stabilizer		
Features	Good UV Resistance		
Uses	Agricultural Applications		
	Drums		
	Industrial Containers		
	Toys		
Agency Ratings	FDA Unspecified Rating		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.6	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.9	MPa	ASTM D638
Flexural Modulus - 1% Secant	758	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Low Temperature Impact			ARM
3.18 mm	69.1	J	
-40°C, 6.35 mm	190	J	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	52.0	°C	
1.8 MPa, Unannealed	40.0	°C	
NOTE			
1.	51 mm/min		

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