

Technical Data Sheet

POLYAXIS® LP 699

Linear Medium Density Polyethylene
Rotomolding



Product Description

Long term UV8 stabilization

General

Additive	• Long Term UV-8 Stabilizer	
Appearance	• Black	• Colors Available
Forms	• Pellets	• Powder
Processing Method	• Rotational Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity ¹	0.942	0.940 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.9 g/10 min	2.9 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield, Rotational Molded)	2600 psi	17.9 MPa	ASTM D638
Tensile Elongation ² Break, Rotational Molded	400 %	400 %	ASTM D638
Flexural Modulus - 1% Secant (Rotational Molded)	123000 psi	848 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Impact Strength -40°F (-40°C), 0.125 in (3.18 mm), Rotational Molded	63 ft·lb	85 J	ARM
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed, Rotational Molded	142 °F	61.0 °C	ASTM D648

Notes

¹ Compression Molded

² 2.0 in/min (51 mm/min)

Notes

These are typical property values not to be construed as specification limits.

