

# FARALLOY® PE-425

Linear Low Density Polyethylene

O'Neil Color and Compounding

## Message:

FARALLOY PE-425 (0899-76) is a rotational molding grade linear low density polyethylene that is modified with a high aspect ratio mineral filler to increase stiffness and dimensional stability while reducing mold shrinkage.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Dimensional Stability		
	High Stiffness		
	Low Density		
	Low Shrinkage		
Forms	Pellets		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.9	MPa	ASTM D638
Tensile Elongation (Break)	330	%	ASTM D638
Flexural Modulus	803	MPa	ASTM D790
Flexural Strength	19.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	66.7	°C	ASTM D648

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