

FARALLOY® PE-211

High Density Polyethylene

O'Neil Color and Compounding

Message:

FARALLOY PE-211 is a sheet extrusion grade polyethylene reinforced with mica to increase stiffness and heat deflection.

General Information			
Filler / Reinforcement	Mica,25% Filler by Weight		
Features	High Density		
	High Molecular Weight		
	High Stiffness		
Uses	Sheet		
Agency Ratings	ASTM D 1248, IV, Class A, Cat. 5		
Forms	Pellets		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.9	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648

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