



Icorene POLYFORT FLP 3798-31 BLKBLK

LyondellBasell Industries - High Density Polyethylene

General Information

Product Description

Polyfort FLP 3798-31 BLK is a 30% Talc-Filled Polyethylene Black.

General

Filler / Reinforcement	• Talc, 30% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3480	psi	ASTM D638
Tensile Elongation (Break)	13	%	ASTM D638
Flexural Modulus - Tangent	232000	psi	ASTM D790
Flexural Strength	4640	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.52	ft-lb/in	ASTM D256
Gardner Impact	487	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	198	°F	ASTM D648