

Technical Data Sheet

Polyfort FLP 3798-31

High Density Polyethylene
LyondellBasell Industries
Engineering Plastics

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.17	1.17 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 Kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	3480 psi	24.0 MPa	ASTM D638
Tensile Elongation (Break)	13 %	13 %	ASTM D638
Flexural Modulus - Tangent	232000 psi	1600 MPa	ASTM D790
Flexural Strength	4640 psi	32.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.52 ft·lb/in	28 J/m	ASTM D256
Gardner Impact	487 in·lb	55.0 J	ASTM D5420
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed	198 °F	92.0 °C	ASTM D648

Notes

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