

Thermylene® F6-30FG-0100

High Density Polyethylene

Asahi Kasei Plastics North America Inc.

Technical Data

Product Description

F6-30FG has high stiffness and is suitable for water related applications.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Asahi Kasei Plastics North America Inc.		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber Reinforcement, 30% Filler by Weight		
Features	• High Stiffness		

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.18 g/cm³	ASTM D792 ISO 1183/A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength	76.0 MPa	ASTM D638
Flexural Modulus - Tangent	4510 MPa	ASTM D790
Flexural Strength	89.0 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact ³ (23°C)	190 J/m	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	120 °C	ASTM D648

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Flex Bar