

ExxonMobil™ PP1222F

Polypropylene Homopolymer

Product Description

A medium melt flow rate, 20% mineral-filled compounded resin suitable for injection molded consumer products and appliance applications requiring long-term heat ageing resistance. UL continuous service rating of 95°C.

General

Availability ¹	▪ North America		
Features	▪ Detergent Resistant ▪ Filled	▪ Good Thermal Aging Resistance ▪ High Heat Resistance	▪ High Stiffness ▪ Medium Flow
Automotive Specifications	▪ CHRYSLER MS-DB-500		
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion	▪ Injection Molding	
Revision Date	▪ 03/01/2010		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Density	1 g/cm ³	1 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	5340 psi	36.8 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	5.8 %	5.8 %	ASTM D638
Flexural Modulus - 1% Secant (0.051 in/min (1.3 mm/min))	347000 psi	2390 MPa	ASTM D790A

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.40 ft-lb/in	22 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	266 °F	130 °C	ASTM D648
Deflection Temperature Under Load (DTUL) at 264psi - Unannealed	160 °F	70.9 °C	ASTM D648

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Notes

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

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.



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