

ExxonMobil Exxtral™ MDK310 Performance Polyolefin

Category : Polymer , Thermoplastic , Ethylene Butyl Acrylate

Material Notes:

Product Description: A medium melt flow rate, 20% mineral-filled polyolefin resin suitable for injection molded consumer products and appliance applications requiring long-term heat ageing resistance. UL continuous service rating of 115°C Availability: Asia Pacific and

North America Features: Detergent Resistant Filled Good Thermal Aging Resistance High Heat Resistance High Stiffness Impact Modified

Uses: Appliance Components Appliances Consumer Applications Processing Method: Injection Molding Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Exxtral-MDK310-Performance-Polyolefin.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	2.0 in/min; ASTM D638
Flexural Modulus, 1% Secant	1900 MPa	275000 psi	0.05 in/min; ASTM D790A
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256A
Gardner Impact	8.84 J @Thickness 3.17 mm, Temperature -28.9 °C	6.52 ft-lb @Thickness 0.125 in, Temperature -20.0 °F	Geometry GC; ASTM D5420
	23.8 J @Thickness 3.17 mm, Temperature 22.8 °C	17.6 ft-lb @Thickness 0.125 in, Temperature 73.0 °F	Geometry GC; ASTM D5420

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	59.4 °C	139 °F	ASTM D648

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