

Unilex™ UP 8012

Polypropylene Homopolymer

United Polychem

Message:

Unilex™ UP 8012 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in North America for injection molding.

Important attributes of Unilex™ UP 8012 are:

Food Contact Acceptable

Homopolymer

Typical application of Unilex™ UP 8012: Food Contact Applications

General Information			
Features	Food Contact Acceptable		
	General Purpose		
	Homopolymer		
Uses	General Purpose		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	32.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	23	%	ASTM D638
Flexural Modulus - 1% Secant	1150	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	87.8	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		

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