Unilex™ UP 9035-I

Polypropylene Impact Copolymer

United Polychem

Message:

Unilex™ UP 9035-I is a Polypropylene Impact Copolymer (PP Impact Copolymer) material. It is available in North America for injection molding.
Important attributes of Unilex™ UP 9035-I are:
Food Contact Acceptable
High Flow
Impact Resistant
Typical application of Unilex™ UP 9035-I: Food Contact Applications

General Information			
Features	Food Contact Acceptable High Flow Medium Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.900	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	22.0	MPa	ASTM D638
Tensile Elongation [2] (Yield)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant			
-- [3]	945	MPa	ASTM D790A
-- [4]	1100	MPa	ASTM D790B
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	150	J/m	ASTM D256A
Gardner Impact [5] (-29°C, 3.20 mm)	24.9	J	ASTM D3029
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	79.0	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	204 to 232	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		
4.	13 mm/min		

5.	Method G, Geometry GC

Recommended distributors for this material

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