

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/cm ³	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		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

