## SEETEC PP H7411

# Polypropylene Homopolymer LG Chem Ltd.

#### Message:

Application

high tenacity yarn, geotextiles

Feature

Seetec H7411 is designed for the extrusion of continuous filament (CF) and staple fibres. This grade is characterised by high tenacity from narrow molecular weight distribution(MWD) and UV stability. This allows competition against polyester and nylon in several applications. SEETEC H7411 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Good UV Resistance		
	Narrow Molecular Weight Distribution		
Uses	Filaments		
	High Tenacity Flat Yarn		
	Textile Applications		
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Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	34.0	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	> 500	%	ASTM D638
Flexural Modulus <sup>3</sup>	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.4 MPa, Unannealed)	15 110	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525 <sup>4</sup>
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	28 mm/min		
4.	Loading 1 (10 N)		

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#### Recommended distributors for this material

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