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 requirment 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		
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 [1] (Yield)	34.0	MPa	ASTM D638
Tensile Elongation [2] (Break)	> 500	%	ASTM D638
Flexural Modulus [3]	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 (0.45 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	151	°C	ASTM D1525 [4]
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	28 mm/min		
4.	Loading 1 (10 N)		

Recommended distributors for this material

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