

SEETEC PP R7700

Polypropylene Random Copolymer

LG Chem Ltd.

Message:

SEETEC R7700 is a newly developed special polypropylene Random Copolymer manufactured using the Spheripol process and 5th generation catalyst. With its excellent spinnability and drawability, it is particularly suitable for special SB. Its has a narrow molecular weight distribution, which promotes thread line continuity. R7700 can be evaluated for applications that require Anti-Gas Fading.

General Information			
Features	Good Processability		
	Narrow Molecular Weight Distribution		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Fiber (Spinning) Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	34	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	90		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.5	MPa	ASTM D638
Tensile Elongation ² (Break)	> 500	%	ASTM D638
Flexural Modulus ³	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	85.0	°C	ASTM D648
Vicat Softening Temperature	140	°C	ASTM D1525 ⁴
Melting Temperature	145	°C	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	28 mm/min		
4.	Loading 1 (10 N)		

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