

# HOPELEN SFR-171H

Polypropylene Homopolymer

Lotte Chemical Corporation

## Message:

SFR-171H is a high melt flow rate resin with a very narrow molecular weight distribution homopolymer.

It is suitable for woven & nonwoven application including spunbond as well as continuous filament yarn. Typical applications are HTY and spunbond nonwoven.

It is formulated with an anti-gasfading stabilisation package

General Information			
Additive	Anti-gas fading		
Features	Gas-fading Resistant		
	High Flow		
	Homopolymer		
	Narrow Molecular Weight Distribution		
Uses	BCF Yarn		
	Filaments		
	Nonwovens		
	Spunbond Nonwovens		
RoHS Compliance	RoHS Compliant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792
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)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.3	MPa	ASTM D638
Tensile Elongation (Break)	> 100	%	ASTM D638
Flexural Modulus	1470	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	109	°C	ASTM D648
Vicat Softening Temperature	152	°C	ASTM D1525

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