

# HOPELEN FR-170

Polypropylene Homopolymer

Lotte Chemical Corporation

Message:

FR-170 is a high melt flow rate resin with a narrow molecular weight distribution homopolymer.  
It is ideally suited for woven & nonwoven application including staple fiber as well as continuous filament yarn and high tenacity fiber.  
This product contains no peroxide or peroxide decomposition by-products.  
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		
	Staple Fibers		
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)	26	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	102		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)	25	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Vicat Softening Temperature	153	°C	ASTM D1525

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

## 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

