

HOPELEN FR-160

Polypropylene Homopolymer
Lotte Chemical Corporation

Message:

FR-160 is a medium 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		
	Homopolymer		
	Medium Flow		
	Narrow Molecular Weight Distribution		
Uses	BCF Yarn		
	Filaments		
	Nonwovens		
	Staple Fibers		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		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)	34	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	152	°C	ASTM D1525

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Recommended distributors for this material

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

